ORDER NO.ACED060108C8

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C5303N

WMA MP3 CD Player/Receiver

SPECIFICATIONS

Specifications*

General	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Current Consumption	Less than 2.1A (CD mode ; 0.5W 4-channels)
Maximum Power Output	50W×4 (at 4)
Power Output	22W×4 (DIN45 324, at 4)
Speaker Impedance	4-8
Tone/SQ Adjustment Range	SQ Low/Bass ; ±12dB / (at 60Hz, 80Hz, 100Hz, 200Hz) SQ Mid ; ±12dB / (at 500Hz, 1kHz, 2kHz, 3kHz) SQ High/Treble ; ±12dB / (at 10kHz, 12kHz, 15kHz, 18kHz)
Pre-Amp Output Voltage	2.5V (CD mode)
Pre-Amp Output Impedance	200
FM Stereo Radio	
Frequency Range	87.5MHz - 108MHz
Usable Sensitivity	6dB/ V (S/N 30dB)
Stereo Separation	35dB (at 1kHz)
AM (MW) Radio	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	27dB/ V (S/N 20dB)

AM (LW) Radio	
Frequency Range	**153kHz - 279kHz**
Usable Sensitivity	**32dB/ V (S/N 20dB)**
CD Player	
Sampling Frequency	**8 Times Oversampling**
DA Converter	**1bit DAC System**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wave Length	**790nm**
Frequency Response	**20Hz to 20kHz (±1dB)**
Signal to Noise Ratio	**96dB**
Total Harmonic Distortion	**0.01% (1kHz)**
Wow and Flutter	**Below measurable limits**
Channel Separation	**75dB**
Dimensions**	**178×50×155mm**
Weight**	**1.6kg**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

-Above specifications comply with EIA standards.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

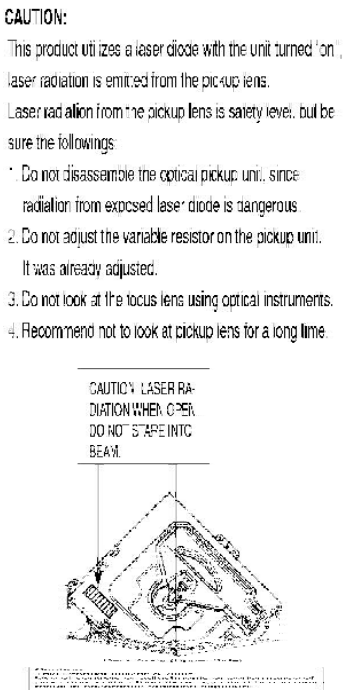
- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In

case of using high temperature soldering iron, please be careful not to heat too long.

- Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C)

- This lead free solder will be used for the products after serial No. 1,000,001.

2. LASER PRODUCTS


CAUTION:
This product utilizes a laser diode with the unit turned on ,
laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be
sure the followings:
1. Do not disassemble the optical pickup unit, since
radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit.
It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.
CAUTION: LASER RA-
DIATION WHEN OPEN.
DO NOT STARE INTO
BEAM.

3. FEATUERS

- The optional adapter allows you to connect the optional Panasonic CD changer unit (CX-DP880).

- The optional adapter allows you to connect the optional iPod series.

- Hands Free Phone System. (The optional Bluetooth hands-free kit: CY-BT100N)

- Fully Motorized Face Plate.

- SQ (Sound Quality).

- SQ3 (3-Band Sound Quality).

- SRS TruBass .

4. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

5. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

6. NOTES

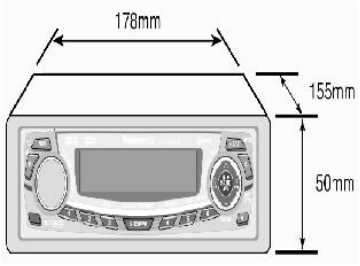
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

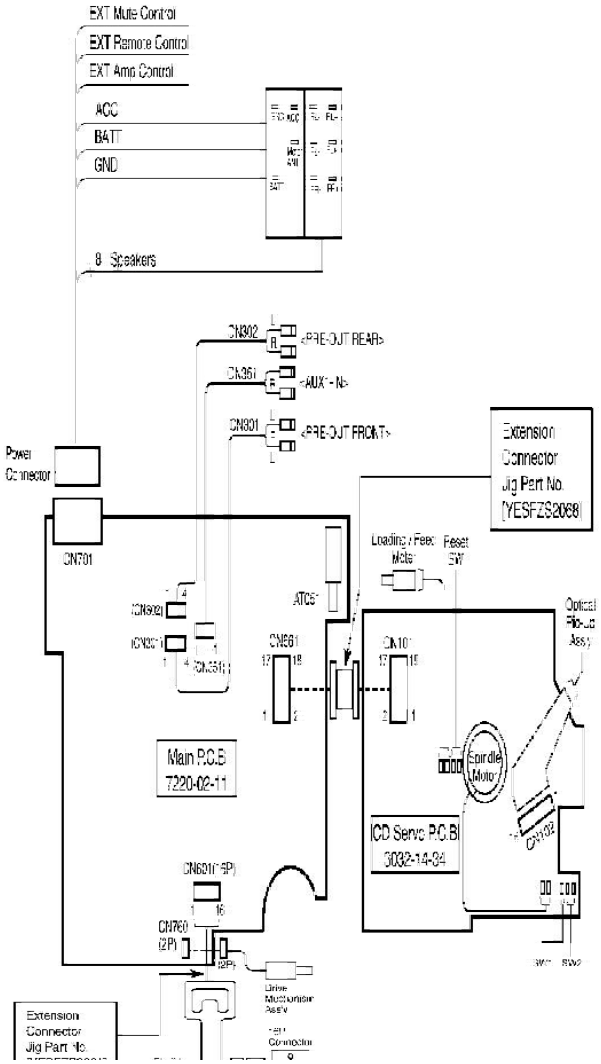
[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

7. DIMENSIONS



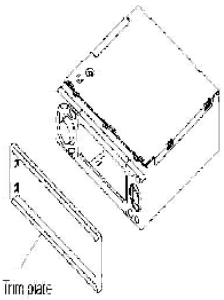
8. WIRING CONNECTION



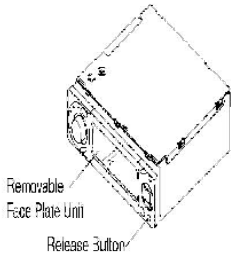
9. DISASSEMBLY INSTRUCTIONS

9.1. How to remove the Flexible PCB

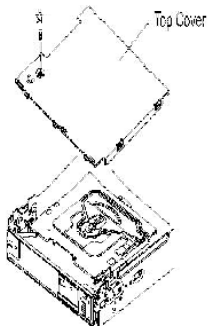
1. Remove the Trim Plate.



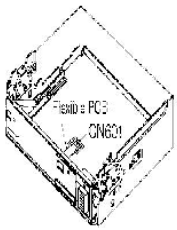
2. Remove the Removable Face Plate unit by pressing the Release Button.



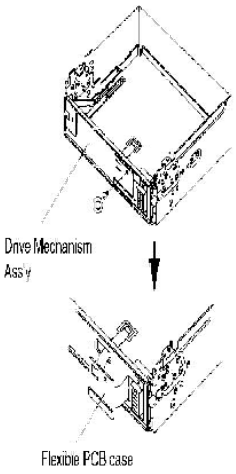
3. Remove the screw(☆) and remove the Top Cover.



5. Remove the Flexible PCB from the CN601 (7220-02-11).



6. Remove the screw(@) from the Drive Mechanism Assy and remove the Flexible PCB case.



7. Remove the Flexible PCB from the Connector(13P).

9.2. How to install the Main P.C.B of the Electric Slide Display

10. TERMINALS DESCRIPTION

10.1. Main Block

IC601 : YESAM354

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	BATT DET	Battery voltage detection	I	1.9	1.9	1.9
2	AMP MUTE	Amp mute control	O	4.8	4.8	4.8
3	STBY	Power IC stundby control	O	4.8	4.8	4.8
4	FP MOTOR1	Panel motor control 1	O	4.7	4.7	4.7
5	FP MOTOR2	Panel motor control 2	O	4.7	4.7	4.7
6	PANEL IN	Panel detection	I	4.8	4.8	4.8
7	INV CNT	Illumination control	O	4.8	4.8	4.8
8	LCD CE	LCD chip enable	O	0	0	0
9	DISP CNT	Display 5V control	O	0	0	0
10	RESET	Reset	I	4.8	4.8	4.8
11	XT2	Crystal oscillator	-	2.5	2.5	2.5
12	XT1	Crystal oscillator	-	2.1	1.8	2
13	FLMD0 (NC)	-	-	-	-	-
14	X2	Crystal oscillator	-	2.4	2.4	2.4
15	X1	Crystal oscillator	-	2.3	2.3	2.3
16	REGC	(Regulator capacitor)	-	2.5	2.5	2.5
17	VSS	Ground	-	0	0	0
18	EVSS	Ground	-	0	0	0
19	VDD	+5V power supply	-	4.8	4.8	4.8
20	EVDD	+5V power supply	-	4.8	4.8	4.8
21	ROTARY 2	Rotary encoder input 2	I	4.8	4.8	4.8
22	ROTARY 1	Rotary encoder input 1	I	4.8	4.8	4.8
23	OP/ PANEL OPEN	Panel open detect	I	4.9	4.9	4.9
24	PANEL CLOSE	Panel close detect	I	4.9	4.9	4.9
25	ILL CNT	Illumination control	O	4.8	4.8	4.8
26	S LED	LED control	O	4.8	4.8	4.8
27	(NC)	-	-	-	-	-
28	RDS DATA	RDS data	I	2.6	0	2.5
29	IP CNT	System upgrade ACC control	O	0	0	0
30	PLL DO	PLL data	I	4.9	4.9	4.9
31	PLL CLK	PLL data clock	O	4.8	4.8	4.8
32	PLL DI	PLL data	O	0	0	0

32	**PLL DI**	**PLL data**	**O**	**0**	**0**	**0**

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
33	PLL CE	PLL chip select	O	0	0	0
34	ST	Radio station detect	I	4.8	4.8	4.8
35	INI A	Mode setting A	I	0	0	0
36	INI B	Mode setting B	I	4.8	4.8	4.8
37	INI C	Mode setting C	I	4.8	4.8	4.8
38	RM IN	Remote control data	I	4.7	4.7	4.7
39	(NC)	-	-	-	-	-
40	MAIN CNT	Main power control	O	4.8	4.8	4.8
41	RDS CLK	RDS clock	I	2.4	2.4	2.4
42	CD STB	CD strobe	I	4.8	4.8	3.3
43	CD SW1	CD mechanism SW1	I	4.8	4.8	4.8
44	CD SW2	CD mechanism SW2	I	4.8	4.8	4.9
45	CD A0	CD mute	I	0	0	4.9
46	CHSTB / SYSID4	CD changer strobe / System upgrade ID4	I	0	0	4.8
47	CD RST	CD reset	O	4.8	4.8	4.8
48	EVENT	System upgrade EVENT	I	0	0	0
49	(NC)	-	-	-	-	-
50	UART-TX	UART serial data	O	0	0	0
51	UART-RX	UART serial data	I	0	1.4	1.2
52	CD SI	CD data input	O	0	0	0
53	CD SO	CD data output	I	0	0	0.8
54	CD SCK	CD clock	O	4.7	4.7	4.7
55	SCL	Audio control serial clock	O	4.8	4.8	4.8
56	SDA	Audio control data	O	4.8	4.8	4.8
57	SA CLK	Audio control clock	O	4.7	4.7	4.7
58	BEEP	Beep sound output	O	0	0	0
59	AVREF	(Conecting to +5V)	-	4.8	4.8	4.8
60	AVSS	Ground	-	0	0	0
61	VSM	Radio signal strength	I	0	0	0
62	A IN	Audio level meter signal	I	0	0	0
63	ACC	ACC detection	I	4.9	4.9	4.9
64	(NC)	-	-	-	-	-
65	(NC)	-	-	-	-	-
66	TRUBASS	True Bass function control	O	0	0	0
67	SW MUTE	Sub woofer mute control	O	4.8	4.8	4.8

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
68	AF MUTE	AF mute control	O	4.8	4.8	4.8
69	HUB CNT	HUB control signal	O	4.8	4.8	4.8
70	CH CLK / SYSID3	CD changer clock / System upgrade ID3	I	0	0	0
71	CH DATA	CD changer data	I	0	0	0
72	SYSID 1	System upgrade ID1	I	4.8	4.8	4.8
73	CH REM	CD changer remote	O	0.9	1.2	0
74	SYSID 2	System upgrade ID2	I	4.8	4.8	4.8
75	AMP CNT	Amp power control	O	4.8	4.8	4.8
76	LCD DI	LCD data	O	4.6	4.6	4.6
77	LCD DO	LCD data	I	4.8	4.8	4.8
78	LCD CLK	LCD Clock	O	4.7	4.7	4.7
79	ANT CNT	Antenna power control	O	4.8	4.8	0
80	EXT.MUTE	External mute	O	4.8	4.8	4.9

10.2. Display Block

IC901 : YEAMLC75884W

Pin No.	Port	Description	I/O	(V)
1-51	SEG2-40	LCD segment data	O	2.4
52-55	COM1-4	LCD common	O	2.4
56,57	SEG39,38	Not used	-	-
58-61	KS3-6	Key scan	O	4.8
62-66	KI1-5	Key data	I	0
67	VDD	+5V power supply	-	4.8
68	VLCD	VLCD terminal	-	4.8
69	VLCD1	VLCD1 terminal	-	3.2
70	VLCD2	VLCD2 terminal	-	1.6
71	VSS	Ground	-	0
72	TEST	(Connecting to ground)	-	0
73	OSC	Oscillator terminal	-	3.4
74	RESET	Reset	I	4.8
75	DO	Key data output	O	4.8
76	CE	LCD driver chip enable	I	0
77	CLK	LCD clock	I	4.6
78	DI	LCD data	I	4.6
79	P1 (NC)	-	-	-
80	SEG1	LCD segment data	O	2.4

10.3. CD Servo Block

IC101 : YESAM337

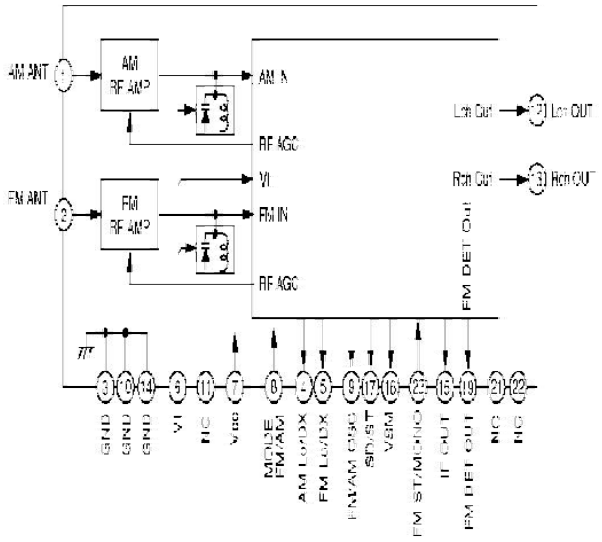
Pin No.	Port	Descriptions	I/O	(V)
1	AVSS	GND	-	0
2	LD-MT	Loading Motor drive IC control 1	O	3.2
3	CNT	Loading Motor drive IC control 2	O	3.2
4	-	-	-	-
5	LD-EJ	Loading Motor drive IC control (Eject)	O	0
6	AMUTE	Mute signal output	O	0
7	-	-	-	-
8	SBSY	DSP IC SBSY	O	0
9	-	-	-	-
10	-	-	-	-
11	TXD0	Serial data output	O	0
12	RXD0	Serial data input	I	0
13	CLK0	Clock input	I	2.9
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	AMD	-	-	3.2
18	DVCC	Power supply (3.3V)	-	3.2
19	X2	Crystal oscillator	-	1.3
20	DVSS	GND	-	0
21	X1	Crystal oscillator	-	1.3
22	AMI	-	-	3.2
23	RESET	Reset	I	3
24	-	-	-	-
25	-	-	-	-
26	NMI	-	-	3.2
27	-	-	-	-
28	STBY	DSP IC STBY	O	0
29	RST	DSP IC RST	O	3.2
30	CCE	DSP IC CCE	O	2.6
31	BUCK	DSP IC CK	O	2.8
32	BUS3	DSP IC BUS3	O	2.8
33	BUS2	DSP IC BUS2	O	2.8
34	BUS1	DSP IC BUS1	O	2.8
35	BUS0	DSP IC BUS0	O	2.9
36	RESET SW	Mechanics deck REST SW input	I	3.2
37	SW1	Mechanics deck SW1 input	I	0
38	SW2	Mechanics deck SW2 input	I	0
39	CONT (P13)	DSP IC power control 1	O	3.2

Pin No.	Port	Descriptions	I/O	(V)
40	-	-	-	-
41	-	-	-	-
42	-	-	-	-
43	CONT (P17)	DSP IC power control 2	O	3.2
44	PIO0	DSP IC PIO0	O	0
45	ZDET	LOAD detect	I	0
46	-	-	-	-
47	-	-	-	-
48	-	-	-	-
49	-	-	-	-
50	-	-	-	-
51	-	-	-	-
52	-	-	-	-
53	-	-	-	-
54	-	-	-	-
55	-	-	-	-
56	-	-	-	-
57	-	-	-	-
58	-	-	-	-
59	CDFS	Serial frame sink signal input (CD ON)	I	2.3
60	P50/ AN0	Reference voltage	I	0.3
61	P51/ AN0	Loading motor detect	I	2.1
62	P52/ AN2	-	-	0
63	P53/ AN3	-	-	0
64	AVCC	Power supply (3.3V)	-	3.2

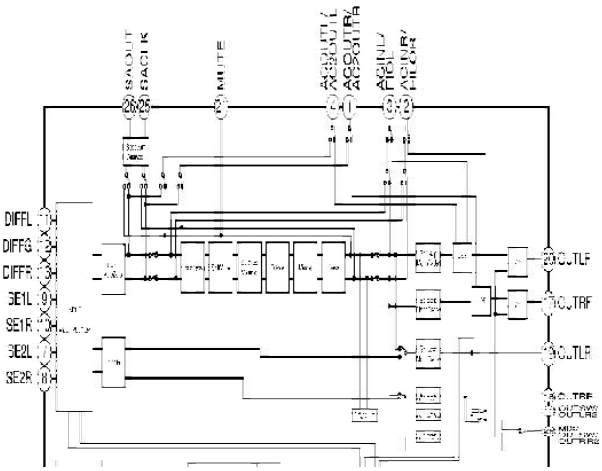
11. PACKAGE AND IC BLOCK DIAGRAM

11.1. Main Block

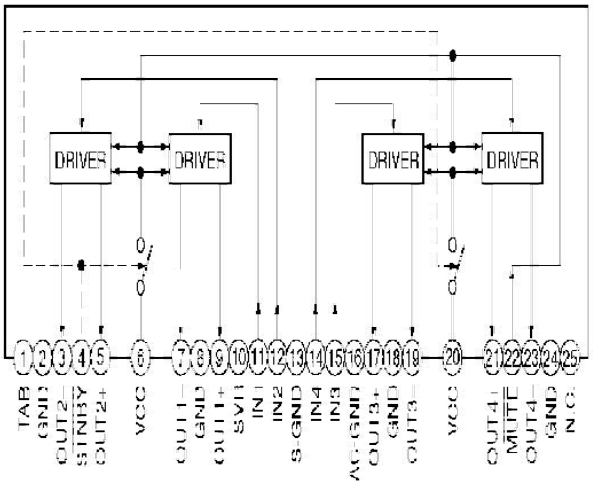
PA051 : YESAP413



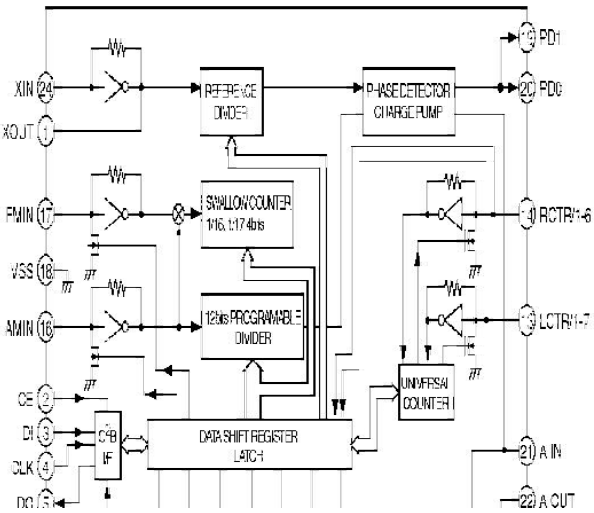
IC201 : YESAM289



IC271 : YESAM274

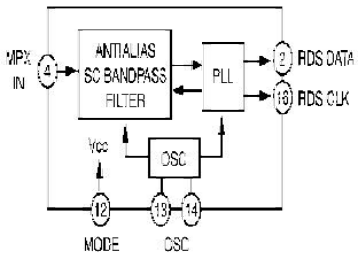


IC401 : C1BB00001045

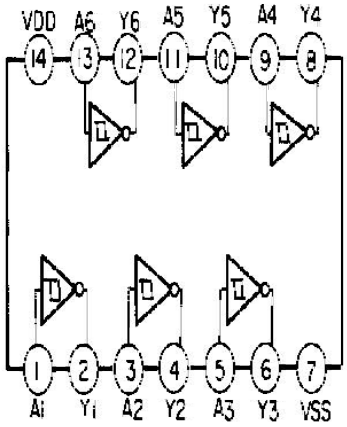


IC270,370 : YESAM286

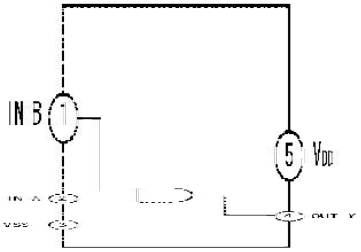
IC501 : YESAM283



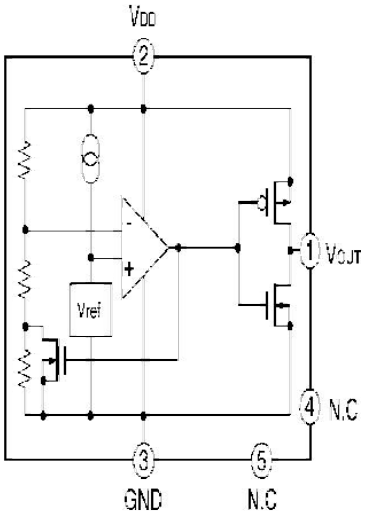
IC680 : YESAM265



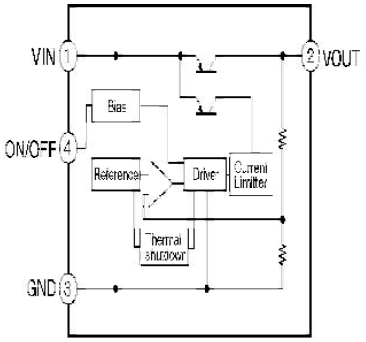
IC681 : YESAM346



IC710 : YESAM340

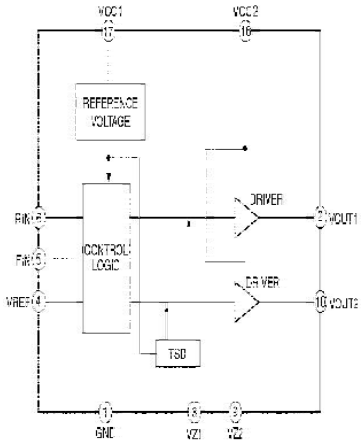


IC750 : YESAM267

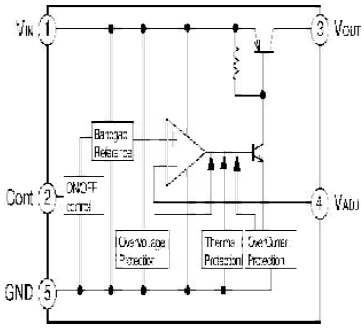


IC763 : YESAM357

IC760 : YESAM287

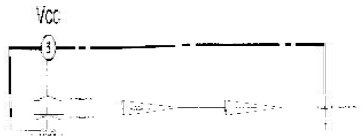


IC810 : YESAM344



11.2. Display Block

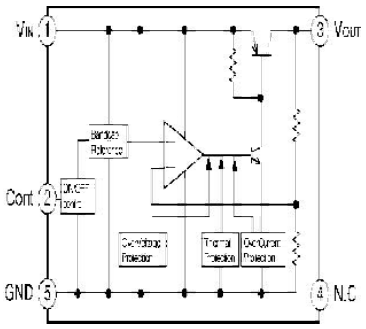
IC902 : YESAM264



11.3. CD Servo Block

IC401,403 : YESAM341

IC402 : YESAM342



12. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7220-02-11] MAIN BLOCK			
IC's and TRANSISTORs			
IC201	YESAM289	IC	
IC270	YESAM286	IC	
IC271	YESAM274	IC	
IC370	YESAM286	IC	
IC401	C1BB00001045	IC	
IC501	YESAM283	IC	
IC601	YESAM354	IC (w/programming)	
IC680	YESAM265	IC	
IC681	YESAM346	IC	
IC710	YESAM340	IC	
IC740	YESAM299	IC	
IC750	YESAM267	IC	
IC755	YESAM347	IC	
IC760	YESAM287	IC	
IC763	YESAM357	IC	
IC810	YESAM344	IC	
PA051	YESAP413	Tuner Pack	
Q055	YESAN117	Transistor	
Q061	YESAN122	Transistor	
Q066	YESAN132	Transistor	
Q201	YESAN122	Transistor	
Q202	YESAN122	Transistor	
Q262	YESAN121	Transistor	
Q263	YESAN118	Transistor	
Q266	YESAN121	Transistor	
Q267	YESAN118	Transistor	
Q362	YESAN121	Transistor	
Q363	YESAN118	Transistor	
Q366	YESAN121	Transistor	
Q367	YESAN118	Transistor	
Q411	B1CBGF000005	FET	
Q633	YESAN118	Transistor	
Q650	YESAN123	Transistor	
Q661	YESAN122	Transistor	
Q662	YESAN122	Transistor	
Q692	YESAN119	Transistor	
Q730	YESAN115	FET	
Q731	YESAN123	Transistor	
Q740	YESAN079	Transistor	
Q751	YESAN079	Transistor	
Q761	YESAN090	Transistor	
Q770	YESAN088	Transistor	
DIODEs			
D260	YESAD155	Diode	
D270	YESAD146	Diode	
D271	YESAD146	Diode	
D272	YESAD146	Diode	
D273	YESAD146	Diode	
D274	YESAD146	Diode	
D275	YESAD146	Diode	
D276	YESAD146	Diode	
D277	YESAD146	Diode	
D278	YESAD146	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D279	YESAD146	Diode	
D280	YESAD146	Diode	
D281	YESAD146	Diode	
D282	YESAD146	Diode	
D401	YESAD144	Diode	
D607	YESAD119	Zener Diode	
D630	YESAD165	LED	
D631	YESAD150	Zener Diode	
D632	YESAD150	Zener Diode	
D637	YESAD149	Diode	
D680	YESAD144	Diode	
D685	YESAD119	Zener Diode	
D701	YESAD139	Diode	
D703	YESAD119	Zener Diode	
D720	YESAD164	Diode	
D741	1SS133T77	Diode	
D750	YESAD141	Diode	
D759	YESAD119	Zener Diode	
D760	YESAD146	Diode	
D761	YESAD167	Diode	
D762	YESAD167	Diode	
D770	YESAD156	Zener Diode	
D771	YESAD143	Diode	
D790	YESAD143	Diode	
D791	YESAD119	Zener Diode	
D792	YESAD144	Diode	
D801	YESAD164	Diode	
CAPACITORs			
C052	YECUS1H470JC	Ceramic, 47pF 50WV	
C053	YESCC483	Ceramic, 0.1 μF 50WV	
C054	YESCC513	Electrolytic, 470 F 10WV	
C055	YESCC482	Ceramic, 0.01 F 50WV	
C061	YESCC566	Ceramic, 0.018 F 50WV	
C062	YESCC566	Ceramic, 0.018 F 50WV	
C065	YESCC481	Ceramic, 0.001 F 50WV	
C066	YESCC226	Ceramic, 470pF 50WV	
C203	YESCC333	Electrolytic, 100 F 16WV	
C204	YESCC333	Electrolytic, 100 F 16WV	
C205	YESCC434	Ceramic, 330pF 50WV	
C206	YESCC549	Electrolytic, 2.2 F 50WV	
C207	YESCC434	Ceramic, 330pF 50WV	
C208	YESCC546	Electrolytic, 10 F 16WV	
C209	YESCC546	Electrolytic, 10 F 16WV	
C210	YESCC546	Electrolytic, 10 F 16WV	
C211	YESCC228	Ceramic, 0.1 F 16WV	
C212	YESCC313	Electrolytic, 220 F 10WV	
C213	YESCC549	Electrolytic, 2.2 F 50WV	
C214	YESCC523	Ceramic, 0.1 F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C215	YESCC549	Electrolytic, 2.2 μ F 50WV	
C216	YESCC555	Ceramic, 2.2 μ F 16WV	
C217	YESCC549	Electrolytic, 2.2 μ F 50WV	
C218	YESCC546	Electrolytic, 10 μ F 16WV	
C220	YESCC537	Electrolytic, 4.7 μ F 25WV	
C222	YESCC333	Electrolytic, 100 μ F 16WV	
C225	YESCC537	Electrolytic, 4.7 μ F 25WV	
C226	YESCC523	Ceramic, 0.1 μ F 16WV	
C227	YESCC442	Ceramic, 0.01 μ F 50WV	
C228	YESCC483	Ceramic, 0.1 μ F 50WV	
C229	YESCC483	Ceramic, 0.1 μ F 50WV	
C230	YESCC483	Ceramic, 0.1 μ F 50WV	
C231	YESCC483	Ceramic, 0.1 μ F 50WV	
C232	YESCC564	Ceramic, 0.1 μ F 50WV	
C233	YESCC564	Ceramic, 0.1 μ F 50WV	
C234	YESCC522	Ceramic, 1 μ F 16WV	
C235	YESCC546	Electrolytic, 10 μ F 16WV	
C244	YESCC523	Ceramic, 0.1 μ F 16WV	
C245	YESCC523	Ceramic, 0.1 μ F 16WV	
C261	YESCC372	Electrolytic, 4.7 μ F 25WV	
C263	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C265	YESCC372	Electrolytic, 4.7 μ F 25WV	
C267	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C270	F1J1H101A667	Ceramic, 100pF 50WV	
C271	YESCC525	Ceramic, 0.047 F 50WV	
C272	YESCC525	Ceramic, 0.047 F 50WV	
C274	YESCC545	Electrolytic, 22 F 10WV	
C276	YESCC404	Electrolytic, 10 F 16WV	
C277	YESCC522	Ceramic, 1 F 16WV	
C278	YESCC483	Ceramic, 0.1 F 50WV	
C279	YESCC368	Electrolytic, 2200 F 16WV	
C280	YESCC555	Ceramic, 2.2 F 16WV	
C281	F1J1H101A667	Ceramic, 100pF 50WV	
C282	YESCC555	Ceramic, 2.2 F 16WV	
C285	YESCC228	Ceramic, 0.1 F 16WV	
C305	YESCC434	Ceramic, 330pF 50WV	
C306	YESCC549	Electrolytic, 2.2 F 50WV	
C307	YESCC434	Ceramic, 330pF 50WV	
C313	YESCC549	Electrolytic, 2.2 F 50WV	
C315	YESCC549	Electrolytic, 2.2 F 50WV	
C317	YESCC549	Electrolytic, 2.2 F 50WV	
C320	YESCC537	Electrolytic, 4.7 F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C322	YESCC333	Electrolytic, 100 μ F 16WV	
C325	YESCC537	Electrolytic, 4.7 μ F 25WV	
C349	YESCC512	Electrolytic, 100 μ F 10WV	
C361	YESCC372	Electrolytic, 4.7 μ F 25WV	
C363	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C365	YESCC372	Electrolytic, 4.7 μ F 25WV	
C367	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C370	F1J1H101A667	Ceramic, 100pF 50WV	
C371	YESCC486	Ceramic, 0.0047 μ F 50WV	
C372	YESCC486	Ceramic, 0.0047 μ F 50WV	
C374	YESCC545	Electrolytic, 22 μ F 10WV	
C375	YESCC557	Ceramic, 0.47 μ F 16WV	
C378	YESCC483	Ceramic, 0.1 μ F 50WV	
C381	F1J1H101A667	Ceramic, 100pF 50WV	
C401	YESCC541	Ceramic, 12pF	
C402	YESCC429	Ceramic, 10pF 50WV	
C403	YESCC228	Ceramic, 0.1 μ F 16WV	
C404	YESCC452	Ceramic, 1 μ F 16WV	
C405	YESCC540	Ceramic, 100pF	
C411	YESCC482	Ceramic, 0.01 μ F 50WV	
C412	YESCC565	Ceramic, 0.015 μ F 25WV	
C413	ECQV1H104JL2	Plastic Film, 0.1 μ F 50WV	
C416	YESCC543	Electrolytic, 680 μ F 10WV	
C501	YESCC223	Ceramic, 27pF 50WV	
C502	YESCC219	Ceramic, 10pF 50WV	
C504	YESCC548	Electrolytic, 47 ~ F 16WV	
C505	YESCC228	Ceramic, 0.1 F 16WV	
C506	YESCC482	Ceramic, 0.01 F 50WV	
C507	YESCC433	Ceramic, 270pF 50WV	
C508	YESCC546	Electrolytic, 10 F 16WV	
C602	YESCC442	Ceramic, 0.01 F 50WV	
C603	YESCC426	Electrolytic, 1000 F 6.3WV	
C604	YESCC377	Electrolytic, 47 F 6.3WV	
C605	YESCC523	Ceramic, 0.1 F 16WV	
C606	YECUS1H220JC	Ceramic, 22pF 50WV	
C607	YECUS1H220JC	Ceramic, 22pF 50WV	
C608	YESCC447	Ceramic, 0.022 F 25WV	
C609	YESCC555	Ceramic, 2.2 F 16WV	
C610	YESCC487	Ceramic, 0.47 F 16WV	
C650	YESCC482	Ceramic, 0.01 F 50WV	
C680	YESCC482	Ceramic, 0.01 F 50WV	
C692	YESCC454	Ceramic, 2.2 F	
C701	YESCC522	Ceramic, 1 F 16WV	
C710	YESCC442	Ceramic, 0.01 F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C711	YESCC442	Ceramic, 0.01 μF 50WV	
C741	YESCC379	Electrolytic, 150 μF 6.3WV	
C751	YESCC552	Electrolytic, 1000 μF 16WV	
C752	YESCC365	Electrolytic, 120 μF 10WV	
C753	YESCC377	Electrolytic, 47 μF 6.3WV	
C755	YESCC523	Ceramic, 0.1 μF 16WV	
C756	YESCC523	Ceramic, 0.1 μF 16WV	
C757	YESCC442	Ceramic, 0.01 μF 50WV	
C759	YESCC482	Ceramic, 0.01 μF 50WV	
C762	YESCC515	Electrolytic, 47 μF 16WV	
C763	YESCC452	Ceramic, 1 μF 16WV	
C767	YESCC454	Ceramic, 2.2 μF	
C770	YESCC513	Electrolytic, 470 μF 10WV	
C790	YESCC483	Ceramic, 0.1 μF 50WV	
C810	YESCC556	Ceramic, 0.33 μF 16WV	
C811	YESCC515	Electrolytic, 47 μF 16WV	
RESISTORs			
JP1	YESRG241	Chip, 0 Ω 1/8W	
JP2	YESRG241	Chip, 0 Ω 1/8W	
JP3	YESRG241	Chip, 0 Ω 1/8W	
JP5	YESRG241	Chip, 0 Ω 1/8W	
JP6	YESRG241	Chip, 0 Ω 1/8W	
JP7	YESRG241	Chip, 0 Ω 1/8W	
JP8	YESRG241	Chip, 0 1/8W	
JP11	YESRG241	Chip, 0 1/8W	
JP52	YESRG241	Chip, 0 1/8W	
JP53	YESRG241	Chip, 0 1/8W	
JP54	YESRG241	Chip, 0 1/8W	
JP55	YESRG241	Chip, 0 1/8W	
JP100	YESRG132	Chip, 0 1/4W	
JP101	YESRG132	Chip, 0 1/4W	
JP102	YESRG132	Chip, 0 1/4W	
JP103	YESRG132	Chip, 0 1/4W	
JP104	YESRG132	Chip, 0 1/4W	
JP105	YESRG132	Chip, 0 1/4W	
JP106	YESRG132	Chip, 0 1/4W	
JP107	YESRG132	Chip, 0 1/4W	
JP108	YESRG132	Chip, 0 1/4W	
JP109	YESRG132	Chip, 0 1/4W	
JP110	YESRG132	Chip, 0 1/4W	
JP111	YESRG132	Chip, 0 1/4W	
JP150	ERJ8GX0R00V	Chip, 0 1/4W	
JP151	ERJ8GX0R00V	Chip, 0 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
JP152	YESRG132	Chip, 0 Ω 1/4W	
JP153	YESRG132	Chip, 0 Ω 1/4W	
JP154	YESRG132	Chip, 0 Ω 1/4W	
JP155	YESRG132	Chip, 0 Ω 1/4W	
JP156	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
JP157	YESRG132	Chip, 0 Ω 1/4W	
JP159	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
JP160	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
JP161	YESRG132	Chip, 0 Ω 1/4W	
JP163	YESRG132	Chip, 0 Ω 1/4W	
JP164	YESRG132	Chip, 0 Ω 1/4W	
JP165	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
JP166	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
JP167	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
JP200	YESRG339	Chip, 0 Ω	
JP201	YESRG339	Chip, 0 Ω	
L295	YESRG370	Chip, 18 Ω 1/8W	
L296	YESRG370	Chip, 18 Ω 1/8W	
L395	YESRG370	Chip, 18 Ω 1/8W	
L396	YESRG370	Chip, 18 Ω 1/8W	
R007	YESRG339	Chip, 0 Ω	
R010	YESRG339	Chip, 0 Ω	
R012	YESRG132	Chip, 0 Ω 1/4W	
R014	YESRG339	Chip, 0 Ω	
R021	YESRG241	Chip, 0 Ω 1/8W	
R050	YESRG399	Chip, 5.6k Ω 1/8W	
R052	YESRG359	Chip, 100 Ω 1/8W	
R055	YESRG384	Chip, 330 1/8W	
R059	YESRG161	Chip, 100k 1/10W	
R065	YESRG387	Chip, 39k 1/8W	
R066	YESRG442	Chip, 330k 1/8W	
R067	YESRG141	Chip, 2.2k 1/4W	
R068	YESRG319	Chip, 1k 1/8W	
R201	YESRG284	Chip, 68k 1/10W	
R202	YESRG284	Chip, 68k 1/10W	
R203	YESRG263	Chip, 75 1/10W	
R204	YESRG263	Chip, 75 1/10W	
R205	YESRG160	Chip, 10k 1/10W	
R206	YESRG401	Chip, 6.8k 1/8W	
R208	YESRG319	Chip, 1k 1/8W	
R209	YESRG159	Chip, 1k 1/4W	
R211	YESRG161	Chip, 100k 1/10W	
R212	YESRG160	Chip, 10k 1/10W	
R213	YESRG345	Chip, 12k 1/10W	
R214	YESRG346	Chip, 13k 1/10W	
R215	YESRG364	Chip, 12k 1/8W	
R216	YESRG346	Chip, 13k 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R217	YESRG368	Chip, 15k Ω 1/8W	
R218	YESRG158	Chip, 100 Ω 1/10W	
R219	YESRG158	Chip, 100 Ω 1/10W	
R220	YESRG363	Chip, 1.2k Ω 1/8W	
R222	YESRG158	Chip, 100 Ω 1/10W	
R223	YESRG158	Chip, 100 Ω 1/10W	
R224	YESRG167	Chip, 39k Ω 1/10W	
R225	YESRG443	Chip, 56k Ω 1/8W	
R226	YESRG440	Chip, 160k Ω 1/8W	
R227	YESRG344	Chip, 110k Ω 1/10W	
R228	YESRG366	Chip, 13k Ω 1/8W	
R229	YESRG264	Chip, 8.2k Ω 1/10W	
R230	YESRG444	Chip, 10k Ω 1/8W	
R231	YESRG241	Chip, 0 Ω 1/8W	
R260	YESRG158	Chip, 100 Ω 1/10W	
R261	YESRG371	Chip, 180 Ω 1/8W	
R262	YESRG360	Chip, 10k Ω 1/8W	
R263	YESRG396	Chip, 560 Ω 1/8W	
R265	YESRG371	Chip, 180 Ω 1/8W	
R266	YESRG360	Chip, 10k Ω 1/8W	
R267	YESRG396	Chip, 560 Ω 1/8W	
R269	YESRG157	Chip, 0 Ω 1/10W	
R270	YESRG360	Chip, 10k Ω 1/8W	
R271	YESRG278	Chip, 18k Ω 1/10W	
R272	YESRG161	Chip, 100k Ω 1/10W	
R274	YESRG375	Chip, 220 Ω 1/8W	
R275	YESRG165	Chip, 22k Ω 1/10W	
R280	YESRG365	Chip, 130 1/8W	
R281	YESRG278	Chip, 18k 1/10W	
R282	YESRG161	Chip, 100k 1/10W	
R284	YESRG360	Chip, 10k 1/8W	
R293	YESRG360	Chip, 10k 1/8W	
R294	YESRG160	Chip, 10k 1/10W	
R306	YESRG401	Chip, 6.8k 1/8W	
R313	YESRG345	Chip, 12k 1/10W	
R314	YESRG346	Chip, 13k 1/10W	
R315	YESRG364	Chip, 12k 1/8W	
R316	YESRG346	Chip, 13k 1/10W	
R317	YESRG368	Chip, 15k 1/8W	
R323	YESRG159	Chip, 1k 1/4W	
R325	YESRG210	Chip, 470 1/10W	
R331	YESRG241	Chip, 0 1/8W	
R361	YESRG371	Chip, 180 1/8W	
R362	YESRG360	Chip, 10k 1/8W	
R363	YESRG396	Chip, 560 1/8W	
R365	YESRG371	Chip, 180 1/8W	
R366	YESRG360	Chip, 10k 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R367	YESRG396	Chip, 560 Ω 1/8W	
R370	YESRG360	Chip, 10k Ω 1/8W	
R371	YESRG278	Chip, 18k Ω 1/10W	
R372	YESRG161	Chip, 100k Ω 1/10W	
R374	YESRG375	Chip, 220 Ω 1/8W	
R375	YESRG161	Chip, 100k Ω 1/10W	
R381	YESRG278	Chip, 18k Ω 1/10W	
R382	YESRG161	Chip, 100k Ω 1/10W	
R384	YESRG360	Chip, 10k Ω 1/8W	
R401	YESRG162	Chip, 1.5k Ω 1/10W	
R402	YESRG390	Chip, 4.7k Ω 1/8W	
R403	YESRG391	Chip, 47k Ω 1/8W	
R404	YESRG159	Chip, 1k Ω 1/4W	
R405	YESRG159	Chip, 1k Ω 1/4W	
R406	YESRG159	Chip, 1k Ω 1/4W	
R407	YESRG159	Chip, 1k Ω 1/4W	
R408	YESRG170	Chip, 47k Ω 1/10W	
R409	YESRG159	Chip, 1k Ω 1/4W	
R410	YESRG157	Chip, 0 Ω 1/10W	
R411	YESRG157	Chip, 0 Ω 1/10W	
R413	YESRG372	Chip, 1.8k Ω 1/8W	
R414	YESRG396	Chip, 560 Ω 1/8W	
R417	YESRG334	Chip, 10 Ω 1/8W	
R501	YESRG441	Chip, 2.2M Ω 1/8W	
R506	YESRG160	Chip, 10k Ω 1/10W	
R507	YESRG160	Chip, 10k Ω 1/10W	
R521	YESRG157	Chip, 0 Ω 1/10W	
R601	YESRG168	Chip, 4.3k 1/10W	
R602	YESRG168	Chip, 4.3k 1/10W	
R605	YESRG159	Chip, 1k 1/4W	
R606	YESRG159	Chip, 1k 1/4W	
R607	YESRG256	Chip, 33k 1/10W	
R608	YESRG264	Chip, 8.2k 1/10W	
R609	YESRG159	Chip, 1k 1/4W	
R610	YESRG391	Chip, 47k 1/8W	
R612	YESRG391	Chip, 47k 1/8W	
R614	YESRG391	Chip, 47k 1/8W	
R616	YESRG159	Chip, 1k 1/4W	
R617	YESRG159	Chip, 1k 1/4W	
R618	YESRG319	Chip, 1k 1/8W	
R619	YESRG373	Chip, 180k 1/8W	
R620	YESRG160	Chip, 10k 1/10W	
R621	YESRG347	Chip, 560k 1/10W	
R622	YESRG241	Chip, 0 1/8W	
R623	YESRG361	Chip, 100k 1/8W	
R624	YESRG361	Chip, 100k 1/8W	
R626	YESRG319	Chip, 1k 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R627	YESRG159	Chip, 1k Ω 1/4W	
R628	YESRG159	Chip, 1k Ω 1/4W	
R629	YESRG159	Chip, 1k Ω 1/4W	
R630	YESRG319	Chip, 1k Ω 1/8W	
R631	YESRG403	Chip, 820 Ω 1/8W	
R632	YESRG389	Chip, 470 Ω 1/8W	
R633	YESRG319	Chip, 1k Ω 1/8W	
R634	YESRG389	Chip, 470 Ω 1/8W	
R635	YESRG389	Chip, 470 Ω 1/8W	
R636	YESRG319	Chip, 1k Ω 1/8W	
R637	YESRG389	Chip, 470 Ω 1/8W	
R638	YESRG319	Chip, 1k Ω 1/8W	
R639	YESRG389	Chip, 470 Ω 1/8W	
R642	YESRG360	Chip, 10k Ω 1/8W	
R643	YESRG373	Chip, 180k Ω 1/8W	
R644	YESRG159	Chip, 1k Ω 1/4W	
R645	YESRG159	Chip, 1k Ω 1/4W	
R646	YESRG373	Chip, 180k Ω 1/8W	
R647	YESRG360	Chip, 10k Ω 1/8W	
R648	YESRG159	Chip, 1k Ω 1/4W	
R649	YESRG159	Chip, 1k Ω 1/4W	
R650	YESRG414	Chip, 620k Ω 1/8W	
R653	YESRG251	Chip, 1.8k Ω 1/10W	
R654	YESRG171	Chip, 5.1k Ω 1/10W	
R655	YESRG360	Chip, 10k Ω 1/8W	
R656	YESRG254	Chip, 2.7k Ω 1/10W	
R657	YESRG159	Chip, 1k Ω 1/4W	
R658	YESRG170	Chip, 47k 1/10W	
R659	YESRG254	Chip, 2.7k 1/10W	
R660	YESRG254	Chip, 2.7k 1/10W	
R662	YESRG319	Chip, 1k 1/8W	
R663	YESRG171	Chip, 5.1k 1/10W	
R664	YESRG171	Chip, 5.1k 1/10W	
R665	YESRG391	Chip, 47k 1/8W	
R666	YESRG391	Chip, 47k 1/8W	
R667	YESRG148	Chip, 47k 1/4W	
R668	YESRG159	Chip, 1k 1/4W	
R669	YESRG159	Chip, 1k 1/4W	
R670	YESRG361	Chip, 100k 1/8W	
R671	YESRG319	Chip, 1k 1/8W	
R672	YESRG319	Chip, 1k 1/8W	
R673	YESRG134	Chip, 1k 1/4W	
R674	YESRG161	Chip, 100k 1/10W	
R675	YESRG134	Chip, 1k 1/4W	
R676	YESRG396	Chip, 560 1/8W	
R678	YESRG319	Chip, 1k 1/8W	
R679	YESRG361	Chip, 100k 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R680	YESRG170	Chip, 47k Ω 1/10W	
R681	YESRG241	Chip, 0 Ω 1/8W	
R682	YESRG241	Chip, 0 Ω 1/8W	
R683	YESRG241	Chip, 0 Ω 1/8W	
R684	YESRG170	Chip, 47k Ω 1/10W	
R685	YESRG319	Chip, 1k Ω 1/8W	
R686	YESRG319	Chip, 1k Ω 1/8W	
R687	YESRG319	Chip, 1k Ω 1/8W	
R688	YESRG319	Chip, 1k Ω 1/8W	
R692	YESRG396	Chip, 560 Ω 1/8W	
R693	YESRG397	Chip, 5.6k Ω 1/8W	
R695	YESRG390	Chip, 4.7k Ω 1/8W	
R696	YESRG170	Chip, 47k Ω 1/10W	
R697	YESRG170	Chip, 47k Ω 1/10W	
R698	YESRG391	Chip, 47k Ω 1/8W	
R699	YESRG391	Chip, 47k Ω 1/8W	
R702	YESRG366	Chip, 13k Ω 1/8W	
R704	YESRG362	Chip, 11k Ω 1/8W	
R710	YESRG341	Chip, 200k Ω 1/10W	
R711	YESRG157	Chip, 0 Ω 1/10W	
R712	YESRG343	Chip, 30k Ω 1/10W	
R714	YESRG159	Chip, 1k Ω 1/4W	
R715	YESRG159	Chip, 1k Ω 1/4W	
R717	YESRG340	Chip, 2k Ω 1/10W	
R722	YESRG165	Chip, 22k Ω 1/10W	
R730	YESRG168	Chip, 4.3k Ω 1/10W	
R731	YESRG264	Chip, 8.2k Ω 1/10W	
R740	YESRG361	Chip, 100k 1/8W	
R751	YESRG170	Chip, 47k 1/10W	
R752	YESRG162	Chip, 1.5k 1/10W	
R753	YESRG157	Chip, 0 1/10W	
R756	YESRG157	Chip, 0 1/10W	
R760	YESRG407	Chip, 3.9 1/2W	
R761	YESRG337	Chip, 3.3k 1/8W	
R762	YESRG319	Chip, 1k 1/8W	
R763	YESRG319	Chip, 1k 1/8W	
R770	YESRG363	Chip, 1.2k 1/8W	
R771	YESRG241	Chip, 0 1/8W	
R790	YESRG159	Chip, 1k 1/4W	
R791	YESRG210	Chip, 470 1/10W	
R808	YESRG319	Chip, 1k 1/8W	
R810	YESRG342	Chip, 2.4k 1/10W	
R811	YESRG412	Chip, 27k 1/8W	
CONNECTORs			
CN301	YESAJ07025	RCA Wire (PRE-OUT Front)	
CN302	YESAJ07026	RCA Wire (PRE-OUT Rear)	

Ref. No.	Part No.	Part Name & Description	Remarks
CN351	YESAJ07030	RCA Wire (AUX1-IN)	
CN601	YESAE408	Connector, 16P	
CN661	YESAE410	Connector, 18P	
CN680	YESAE411	Connector, 13P	
CN701	YESAE351	Connector 16P	
CN760	YESAE380	Connector 2P	
COILs			
L050	YESLQ035	Inductor	
L052	YESLQ028	Inductor	
L401	YESLQ017	Inductor	
L701	YESLT030	Inductor	
CRYSTALs			
XL401	YESXL034	Crystal	
XL501	YESXL039	Crystal	
XL601	YESXL035	Crystal	
XL602	YESXL036	Crystal	
POSISTOR			
PH701	YESRTD011	Posistor	
SERGE PROTECTOR / VARISTOR			
Z050	YESRTD014	Serge Protector	
Z701	YESRTD012	Varistor	
SWITCHes			
SW601	YESAS125	Switch	
SW602	YESAS124	Switch	
[7220-05-12] DISPLAY BLOCK			
IC's and TRANSISTORs			
IC901	YEAMLC75884W	IC	
IC902	YESAM264	IC	
Q903	YESAN130	Transistor	
Q904	YESAN118	Transistor	
Q905	YESAN131	Transistor	
Q906	YESAN131	Transistor	
Q907	YESAN131	Transistor	
DIODEs			
D902	YESAD166	LED	
D903	YESAD165	LED	
D904	YESAD165	LED	
D905	YESAD165	LED	
D911	YESAD165	LED	
D912	YESAD165	LED	
D913	YESAD165	LED	
D914	YESAD165	LED	

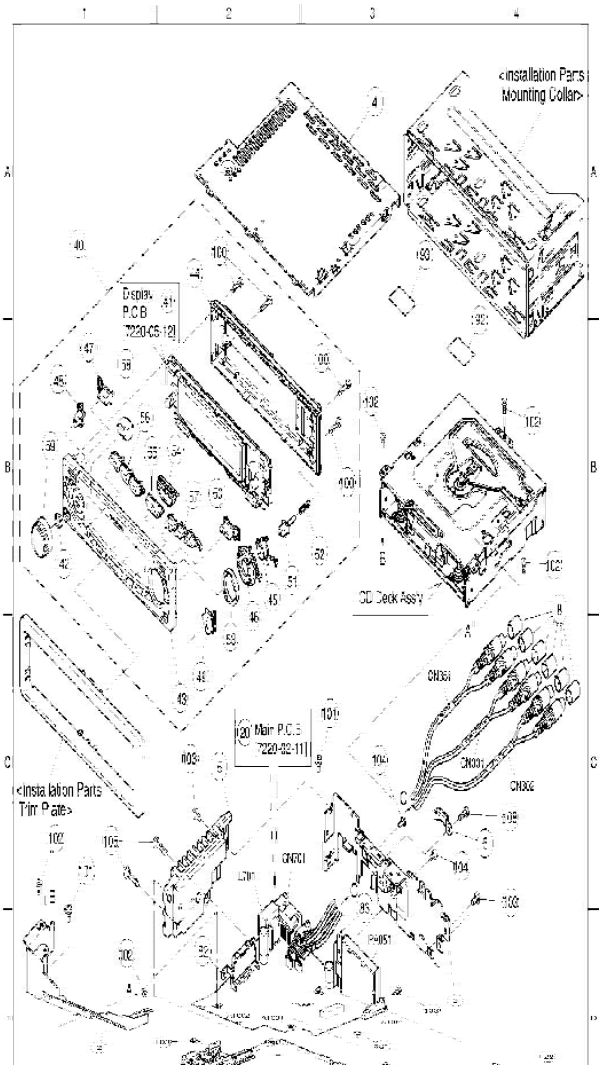
Ref. No.	Part No.	Part Name & Description	Remarks
D915	YESAD165	LED	
D916	YESAD165	LED	
D917	YESAD165	LED	
D918	YESAD165	LED	
D919	YESAD165	LED	
D920	YESAD168	LED	
D921	YESAD168	LED	
D931	YESAD150	Zener Diode	
D935	YESAD155	Diode	
D936	YESAD144	Diode	
D937	YESAD143	Diode	
D953	YESAD170	LED	
D954	YESAD170	LED	
D955	YESAD170	LED	
D961	YESAD170	LED	
D962	YESAD170	LED	
D963	YESAD170	LED	
D964	YESAD170	LED	
D965	YESAD170	LED	
D966	YESAD170	LED	
D967	YESAD170	LED	
D968	YESAD170	LED	
D969	YESAD170	LED	
CAPACITORs			
C901	YESCC517	Ceramic, 0.22 μ F 16WV	
C902	YESCC523	Ceramic, 0.1 μ F 16WV	
C903	YESCC523	Ceramic, 0.1 μ F 16WV	
C905	YESCC523	Ceramic, 0.1 μ F 16WV	
C906	YESCC441	Ceramic, 1000pF 50WV	
C907	YESCC522	Ceramic, 1 F 16WV	
C908	YESCC542	Ceramic, 680pF	
RESISTORs			
R902	YESRG258	Chip, 43k 1/10W	
R903	YESRG164	Chip, 220 1/10W	
R904	YESRG159	Chip, 1k 1/4W	
R905	YESRG159	Chip, 1k 1/4W	
R906	YESRG159	Chip, 1k 1/4W	
R908	YESRG359	Chip, 100 1/8W	
R909	YESRG159	Chip, 1k 1/4W	
R910	YESRG209	Chip, 2.2k 1/10W	
R911	YESRG241	Chip, 0 1/8W	
R912	YESRG160	Chip, 10k 1/10W	
R913	YESRG157	Chip, 0 1/10W	
R914	YESRG157	Chip, 0 1/10W	
R916	YESRG157	Chip, 0 1/10W	
R920	YESRG190	Chip, 220 1/4W	
R921	YESRG190	Chip, 220 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R923	YESRG157	Chip, 0 Ω 1/10W	
R924	YESRG157	Chip, 0 Ω 1/10W	
R926	YESRG157	Chip, 0 Ω 1/10W	
R937	YESRG193	Chip, 1.1k Ω 1/10W	
R950	YESRG393	Chip, 510 Ω 1/8W	
R951	YESRG386	Chip, 360 Ω 1/8W	
R952	YESRG386	Chip, 360 Ω 1/8W	
R953	YESRG393	Chip, 510 Ω 1/8W	
R954	YESRG393	Chip, 510 Ω 1/8W	
R958	YESRG439	Chip, 510 Ω 1/10W	
R970	YESRG396	Chip, 560 Ω 1/8W	
R971	YESRG143	Chip, 330 Ω 1/4W	
R972	YESRG143	Chip, 330 Ω 1/4W	
R973	YESRG396	Chip, 560 Ω 1/8W	
R974	YESRG396	Chip, 560 Ω 1/8W	
CONNECTORs			
CN901	YESAE379	Connector 16P	
CN911	YESAE422	Connector, 3P	
SWITCHes			
SW901	YESAS123	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
SW917	K0H1BA000445	Switch	
LCD			
LD901	YESXDCM033	LCD	
Accessories			
PRINTINGS			
	YEFM285753	Operating Instructions	
	YEFM262693	System Upgrade Guidebook	
	YEFM294106	Installation Instructions (A)	
	YEFM294107	Installation Instructions (B)	
	YEFM294108	Installation Instructions (C)	

Ref. No.	Part No.	Part Name & Description	Remarks
INSTALLATION PARTS			
	YEFC051010	Trim Plate	
	YEAJ02874	Power Connector	
	YEP0FZ5699	Installation kit (Lock Cancel Plate, Mounting Bolt, ISO Antenna Adapter)	
	YEFX0217263	Mounting Collar	
	YEFA131839	Removable Face Plate Case	
	EUR7641010	Remote Control Unit (includes a battery)	
	CR2025/1F	Lithiumu Battery	
MECHANICAL PARTS			
MISCELLANEOUS			
AT001	YESAT01031	Earth Terminal	
AT002	YESAT01031	Earth Terminal	
AT051	YM104C700ZA	Antenna Receptacle	
2	YESFA07013	Front Plate	
3	YESFA08044	Rear Plate	
4	YESFA03057	Top Cover	
5	YESFF01085	Heat Sink	
6	YESFX007026	Cord Clamper	
8	YESFR01019	RCA CAP	
20	YESAP477	Main PCB w/ Components	RTL
25	YESFX001040	Transparent Plate, CD	
26	YESFC02218	Escutcheon	
27	YESFC02217	Frame	
28	YESFA13019	Flexible PCB Case	
29	YESFS01092	Dust Felt	
30	YESFS01087	Pad	
31	YGAP2985	Flexible PCB	
32	YESAE384	Connector, Flexible PCB	
40	YESSDF0177	Removable Face Plate Unit	RTL
41	YESAP481	Display PCB w/ Components	RTL
42	YESFX005138	Knob Spring	
43	YESFC02237	Detachable Face Ass'y	
44	YESFA08048	Rear Cover	
45	YESFE13251	Button (BAND)	
46	YESFE13250	Button (TUNE/TRACK)	
47	YESFE13256	Button (MUTE)	
48	YESFE13267	Button (TA)	
49	YESFE13252	Button (DISP)	
50	YESFE13258	Button (CD EJECT)	
51	YESFE13257	Button (RELEASE)	
52	YESFX005160	Spring, Release	
53	YESFX999071	Ring, TUNE/TRACK	
54	YESFE13259	Button (SRC)	
55	YESFE13262	Knob, SRC Button	
56	YESFE13254	Button (PRESET 1-3)	
57	YESFE13255	Button (PRESET 4-6)	
58	YESFX999072	Remote Panel	
59	YESFE02026	Vol Knob Ass'y	
81	YESFX999074	Drive Mechanism Ass'y	
82	YESFX021143	Bracket, Power IC	
83	YESFX021146	Bracket, Regulator	

Ref. No.	Part No.	Part Name & Description	Remarks
92	YESFM01087	Laser Seal A	
93	YESFM01088	Laser Seal B	
100	YESJS01196	Camera 2P 2.0*8.0	
101	YESJS01190	Screw, 2.6*6.0	
102	YESJS01188	Bind S Tite, 2.6*5.0	
103	YESJS01194	Bind S Tite, 3.0*6.0	
104	YESJS01191	Bind Screw, 2.6*8	
105	YESJS01193	Bind Screw, 3*14	
106	YESJS01195	Camera Screw, 2.0*4.0	
107	YESJS01197	Cup Screw, 2.0*4.0	
108	YESJS01204	Bind S Tite, 3.0*8.0	

13. EXPLODED VIEW (Unit)



14. CD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ; mark have special characteristics important for safety. When replacing any of

these components, use only manufacturer's specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-34] CD Servo Block			
IC's and TRANSISTORs			
IC101	YESAM337	IC	
IC201	YESAM343	IC	
IC301	YESAM339	IC	
IC401	YESAM341	IC	
IC402	YESAM342	IC	
IC403	YESAM341	IC	
Q201	YESAN086	Transistor	
Q202	B1GDCFJJ0008	Transistor	
Q203	YESAN116	Transistor	
Q204	YESAN116	Transistor	
CAPACITORS			
C101	YESCC439	Ceramic, 0.1 F 25WV	
C102	YESCC439	Ceramic, 0.1 F 25WV	
C103	YESCC439	Ceramic, 0.1 F 25WV	
C104	YESCC441	Ceramic, 1000pF 50WV	
C105	YESCC441	Ceramic, 1000pF 50WV	
C151	YESCC388	Electrolytic, 100uF 16WV	
C201	YESCC448	Ceramic, 0.033 F 25WV	
C202	YESCC448	Ceramic, 0.033 F 25WV	
C203	YESCC439	Ceramic, 0.1 F 25WV	
C204	YESCC439	Ceramic, 0.1 F 25WV	
C205	YESCC439	Ceramic, 0.1 F 25WV	
C206	YESCC439	Ceramic, 0.1 F 25WV	
C207	YESCC439	Ceramic, 0.1 F 25WV	
C208	YESCC439	Ceramic, 0.1 F 25WV	
C209	YESCC446	Ceramic, 2200pF 50WV	
C210	YESCC439	Ceramic, 0.1 F 25WV	
C211	YESCC439	Ceramic, 0.1 F 25WV	
C212	YESCC439	Ceramic, 0.1 F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C213	YESCC439	Ceramic, 0.1 μF 25WV	
C214	YESCC435	Ceramic, 47pF 50WV	
C215	YESCC444	Ceramic, 0.015 μF 50WV	
C216	YESCC442	Ceramic, 0.01 μF 50WV	
C218	YESCC442	Ceramic, 0.01 μF 50WV	
C219	YESCC525	Ceramic, 0.047 μF 50WV	
C220	YESCC439	Ceramic, 0.1 μF 25WV	
C221	YESCC442	Ceramic, 0.01 μF 50WV	
C222	YESCC439	Ceramic, 0.1 μF 25WV	
C223	YESCC444	Ceramic, 0.015 μF 50WV	
C224	YESCC439	Ceramic, 0.1 μF 25WV	
C225	YESCC520	Ceramic, 68pF 50WV	
C226	YESCC439	Ceramic, 0.1 μF 25WV	
C227	YESCC439	Ceramic, 0.1 μF 25WV	
C228	YESCC439	Ceramic, 0.1 μF 25WV	
C229	YESCC439	Ceramic, 0.1 μF 25WV	
C230	YESCC442	Ceramic, 0.01 μF 50WV	
C231	YESCC442	Ceramic, 0.01 μF 50WV	
C232	YESCC388	Electrolytic, 100uF 16WV	
C233	YESCC388	Electrolytic, 100uF 16WV	
C234	YESCC439	Ceramic, 0.1 μF 25WV	
C235	YESCC442	Ceramic, 0.01 μF 50WV	
C236	YESCC439	Ceramic, 0.1 μF 25WV	
C237	YESCC432	Ceramic, 220pF 50WV	
C238	YESCC432	Ceramic, 220pF 50WV	
C241	YESCC521	Ceramic, 680pF 50WV	
C242	YESCC521	Ceramic, 680pF 50WV	
C251	YESCC459	Electrolytic, 47 F 6.3WV	
C252	YESCC388	Electrolytic, 100uF 16WV	
C253	YESCC458	Electrolytic, 100 F 4WV	
C256	YESCC388	Electrolytic, 100uF 16WV	
C257	YESCC388	Electrolytic, 100uF 16WV	
C258	YESCC391	Electrolytic, 100uF 16WV	
C260	YESCC439	Ceramic, 0.1 F 25WV	
C261	YESCC439	Ceramic, 0.1 F 25WV	
C263	YESCC439	Ceramic, 0.1 F 25WV	
C264	YESCC524	Ceramic, 0.033 F 50WV	
C301	YESCC519	Ceramic, 470pF 50WV	
C302	YESCC519	Ceramic, 470pF 50WV	
C303	YESCC450	Ceramic, 0.047 F 25WV	
C305	YESCC450	Ceramic, 0.047 F 25WV	
C306	YESCC439	Ceramic, 0.1 F 25WV	
C351	YESCC390	Electrolytic, 220uF 10WV	
C352	YESCC390	Electrolytic, 220uF 10WV	
C401	YESCC452	Ceramic, 1 F 16WV	

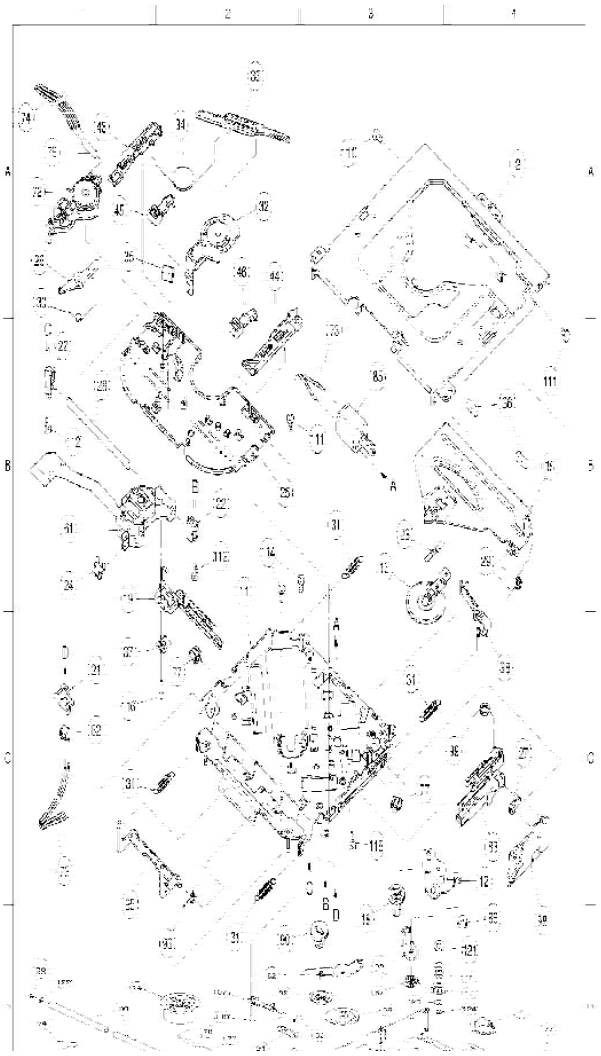
Ref. No.	Part No.	Part Name & Description	Remarks
C403	YESCC453	Ceramic, 0.47 μ F 25WV	
C407	YESCC452	Ceramic, 1 μ F 16WV	
C408	YESCC453	Ceramic, 0.47 μ F 25WV	
C451	YESCC459	Electrolytic, 47 μ F 6.3WV	
C452	YESCC459	Electrolytic, 47 μ F 6.3WV	
C454	YESCC459	Electrolytic, 47 μ F 6.3WV	
C455	YESCC553	Electrolytic, 47uF 10WV	
RESISTORs			
L101	YESRG241	Chip, 0 Ω 1/8W	
L301	YESRG241	Chip, 0 Ω 1/8W	
L401	YESRG241	Chip, 0 Ω 1/8W	
L403	YESRG241	Chip, 0 Ω 1/8W	
R101	YESRG233	Chip, 47k Ω 1/10W	
R102	YESRG233	Chip, 47k Ω 1/10W	
R103	YESRG233	Chip, 47k Ω 1/10W	
R104	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R109	YESRG221	Chip, 100 Ω 1/10W	
R110	YESRG223	Chip, 10k Ω 1/10W	
R111	YESRG221	Chip, 100 Ω 1/10W	
R113	YESRG221	Chip, 100 Ω 1/10W	
R115	YESRG223	Chip, 10k Ω 1/10W	
R116	YESRG232	Chip, 4.7k Ω 1/10W	
R117	YESRG232	Chip, 4.7k Ω 1/10W	
R118	YESRG232	Chip, 4.7k Ω 1/10W	
R119	YESRG232	Chip, 4.7k Ω 1/10W	
R120	YESRG232	Chip, 4.7k 1/10W	
R121	YESRG232	Chip, 4.7k 1/10W	
R122	YESRG232	Chip, 4.7k 1/10W	
R124	YESRG223	Chip, 10k 1/10W	
R125	YESRG223	Chip, 10k 1/10W	
R126	YESRG223	Chip, 10k 1/10W	
R128	YESRG228	Chip, 22k 1/10W	
R129	YESRG227	Chip, 2.2k 1/10W	
R130	YESRG221	Chip, 100 1/10W	
R131	YESRG221	Chip, 100 1/10W	
R132	YESRG221	Chip, 100 1/10W	
R134	YESRG223	Chip, 10k 1/10W	
R135	YESRG221	Chip, 100 1/10W	
R136	YESRG226	Chip, 220 1/10W	
R139	YESRG223	Chip, 10k 1/10W	
R142	ERJ3GEY0R00V	Chip, 0 1/16W	
R201	YESRG224	Chip, 100k 1/10W	
R202	YESRG355	Chip, 1M 1/10W	
R203	ERJ3GEY0R00V	Chip, 0 1/16W	
R204	ERJ3GEY0R00V	Chip, 0 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R205	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R206	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R207	YESRG224	Chip, 100k Ω 1/10W	
R208	YESRG224	Chip, 100k Ω 1/10W	
R209	YESRG226	Chip, 220 Ω 1/10W	
R210	YESRG224	Chip, 100k Ω 1/10W	
R211	YESRG224	Chip, 100k Ω 1/10W	
R212	YESRG224	Chip, 100k Ω 1/10W	
R213	YESRG224	Chip, 100k Ω 1/10W	
R214	YESRG224	Chip, 100k Ω 1/10W	
R215	YESRG224	Chip, 100k Ω 1/10W	
R217	YESRG237	Chip, 5.6k Ω 1/10W	
R218	YESRG357	Chip, 150k Ω 1/10W	
R219	YESRG233	Chip, 47k Ω 1/10W	
R221	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R222	YESRG356	Chip, 15k Ω 1/10W	
R223	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R224	YESRG228	Chip, 22k Ω 1/10W	
R225	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R226	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R229	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R231	YESRG234	Chip, 4.7 Ω 1/10W	
R232	YESRG223	Chip, 10k Ω 1/10W	
R233	YESRG228	Chip, 22k Ω 1/10W	
R241	YESRG229	Chip, 330 Ω 1/10W	
R242	YESRG233	Chip, 47k Ω 1/10W	
R243	YESRG229	Chip, 330 Ω 1/10W	
R244	YESRG233	Chip, 47k 1/10W	
R245	YESRG224	Chip, 100k 1/10W	
R246	ERJ3GEY0R00V	Chip, 0 1/16W	
R247	ERJ3GEY0R00V	Chip, 0 1/16W	
R248	ERJ3GEY0R00V	Chip, 0 1/16W	
R249	ERJ3GEY0R00V	Chip, 0 1/16W	
R250	YESRG229	Chip, 330 1/10W	
R253	YESRG222	Chip, 1k 1/10W	
R254	YESRG222	Chip, 1k 1/10W	
R301	YESRG230	Chip, 3.3k 1/10W	
R302	YESRG227	Chip, 2.2k 1/10W	
R303	ERJ3GEY0R00V	Chip, 0 1/16W	
R304	YESRG230	Chip, 3.3k 1/10W	
R305	YESRG223	Chip, 10k 1/10W	
R306	ERJ3GEY0R00V	Chip, 0 1/16W	
R307	YESRG230	Chip, 3.3k 1/10W	
R308	YESRG227	Chip, 2.2k 1/10W	
R309	ERJ3GEY0R00V	Chip, 0 1/16W	
R310	YESRG230	Chip, 3.3k 1/10W	
R311	YESRG227	Chip, 2.2k 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R312	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R314	YESRG356	Chip, 15k Ω 1/10W	
R324	YESRG223	Chip, 10k Ω 1/10W	
R325	YESRG223	Chip, 10k Ω 1/10W	
R326	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
CONNECTORs			
CN101	YESAE409	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L201	YESLQ036	Inductor	
L202	YESLQ036	Inductor	
L402	YESLQ011	Inductor	
CRYSTALs			
X101	YESXL033	Crystal	
X201	YESXL018	Crystal	
MECAHNICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	

Ref. No.	Part No.	Part Name & Description	Remarks
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZ1099WM	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP456	Servo PC Board w/component	RTL
72	YESFX046176	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	WIRE TUBE SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw, 2*4	
114	YERJS01002	Camera Screw, 1.7*1.8	
115	YERJS01003	Camera Screw, 2*2	
116	YERJS01004	Camera Tapping Screw, 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	P Washer, 3.5*8*0.3	
122	YERJW01002	HL Washer, 1.85*5*0.13	
123	YERJW01003	Lumilar Washer, 3.1*6*0.1	
124	YEJE01028	E-Ring S 1.5	
125	YERJW01005	P Washer, 2.1*4*0.13	

15. EXPLODED VIEW (CD Deck)



16. WIRING DIAGRAM

16.1. Display Block

16.2. Main Block (Top View)

16.3. Main Block (Bottom View)

16.4. CD Servo Block (Top View)

16.5. CD Servo Block (Bottom View)

THIS PAGE IS JUST FOR THE PAGE LAYOUT USE ONLY.

17. SCHEMATIC DIAGRAM

17.1. Main Block-1

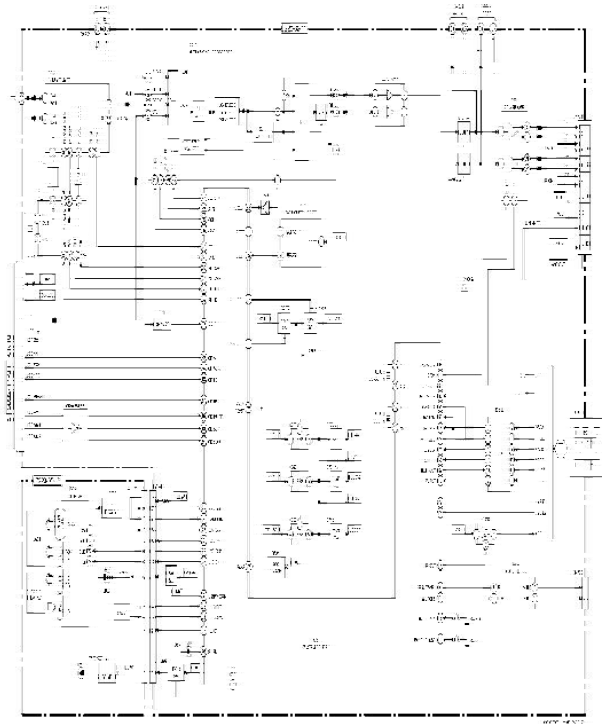
17.2. Main Block-2

17.3. Display Block

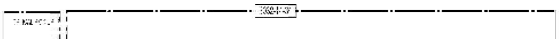
17.4. CD Servo Block

18. BLOCK DIAGRAM

18.1. Main/ Display Block



18.2. CD Servo Block



19. SCHEMATIC DIAGRAM for Printing with A4 Size

19.1. Main Block -1 (Left Side)

19.2. Main Block -1 (Right Side)

19.3. Main Block -2 (Left Side)

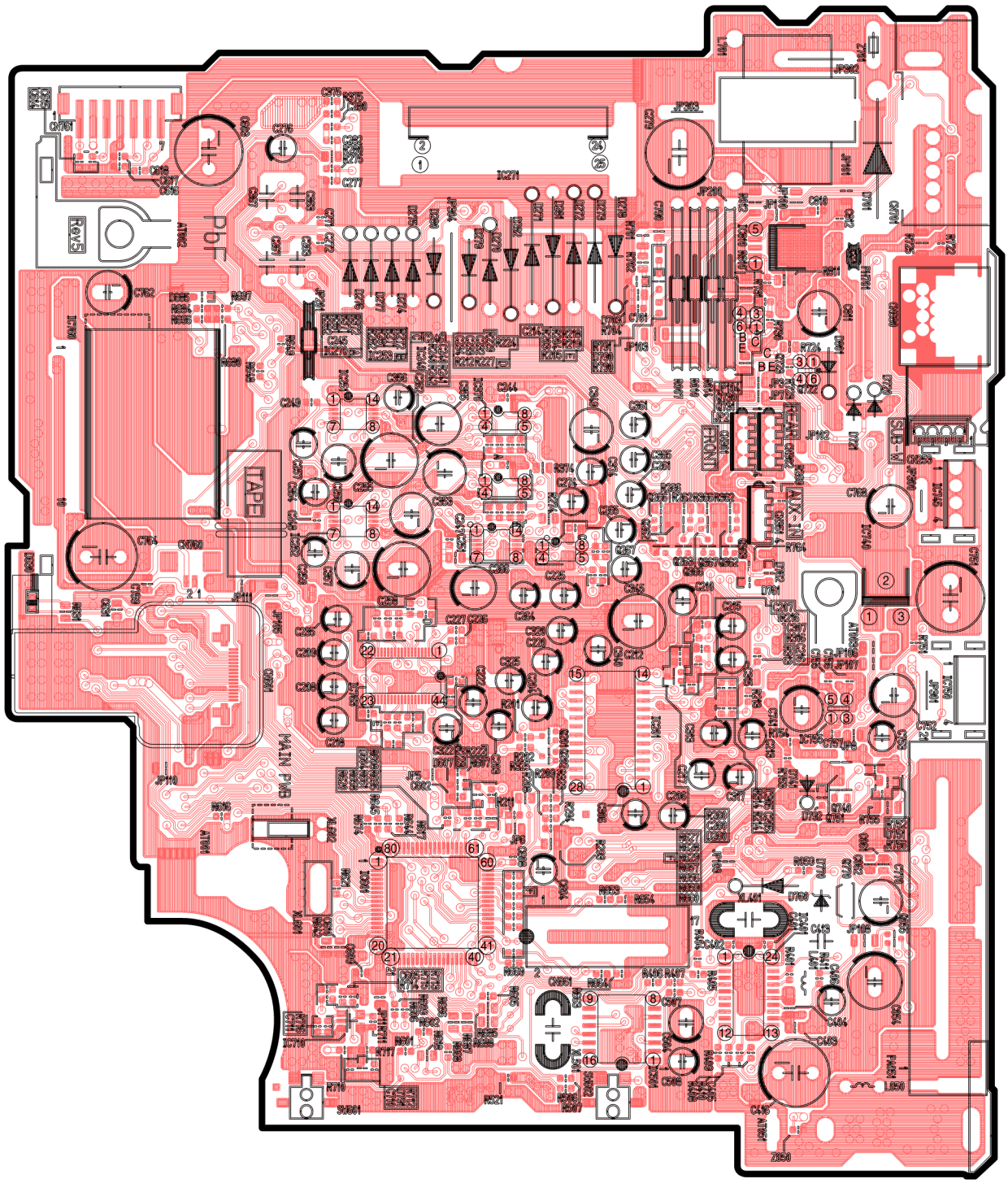
19.4. Main Block -2 (Right Side)

19.5. Display Block (Left Side)

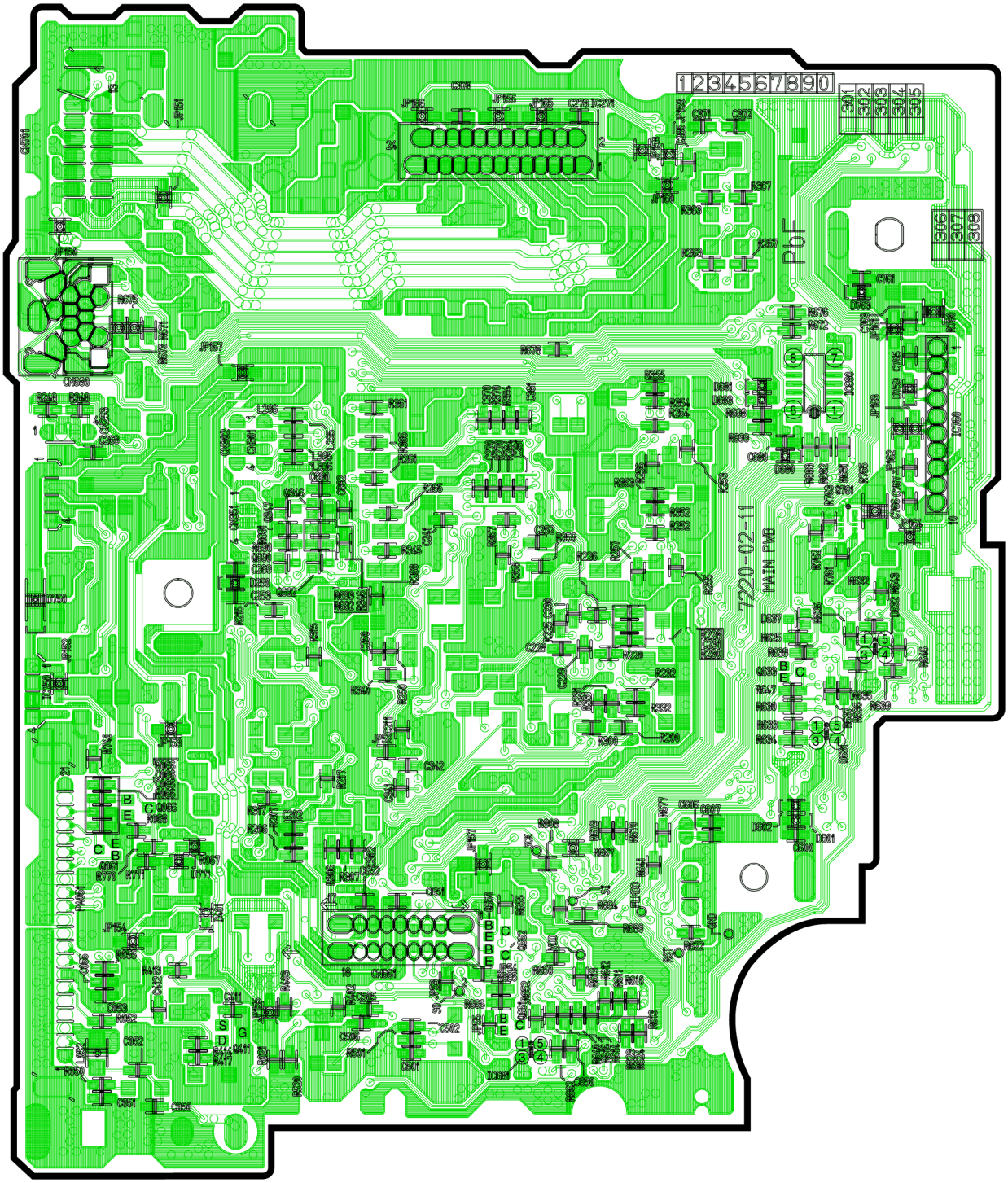
19.6. Display Block (Right Side)

19.7. CD Servo Block (Left Side)

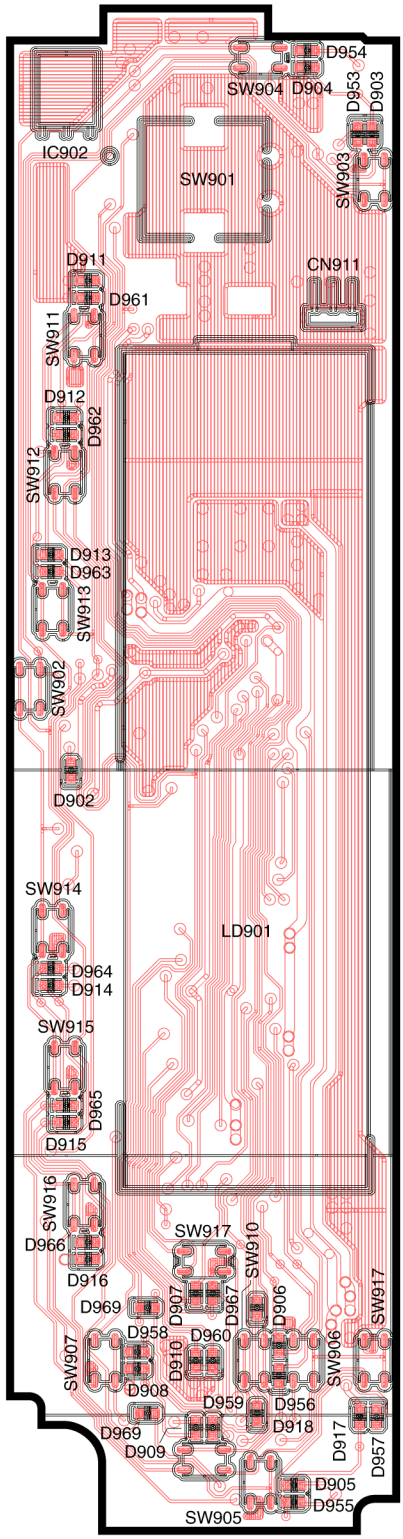
19.8. CD Servo Block (Right Side)



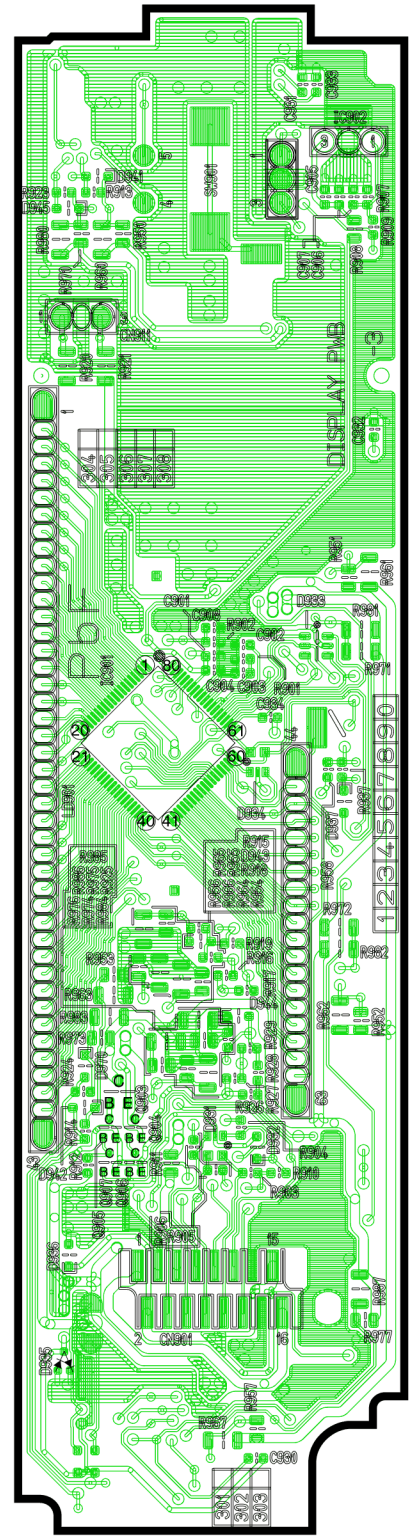
[7220-02-11] [Top View]



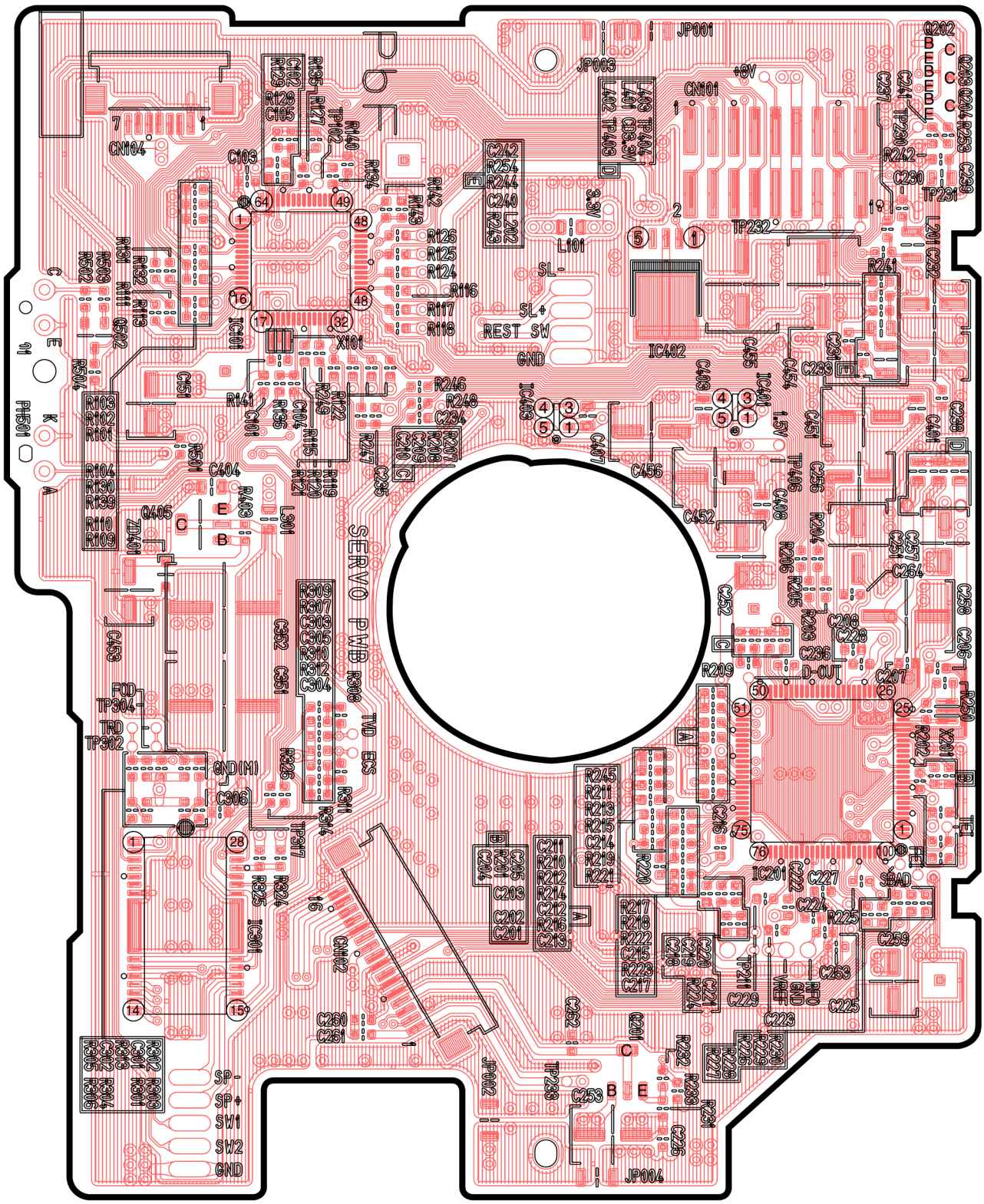
[7220-02-11] [Bottom View]



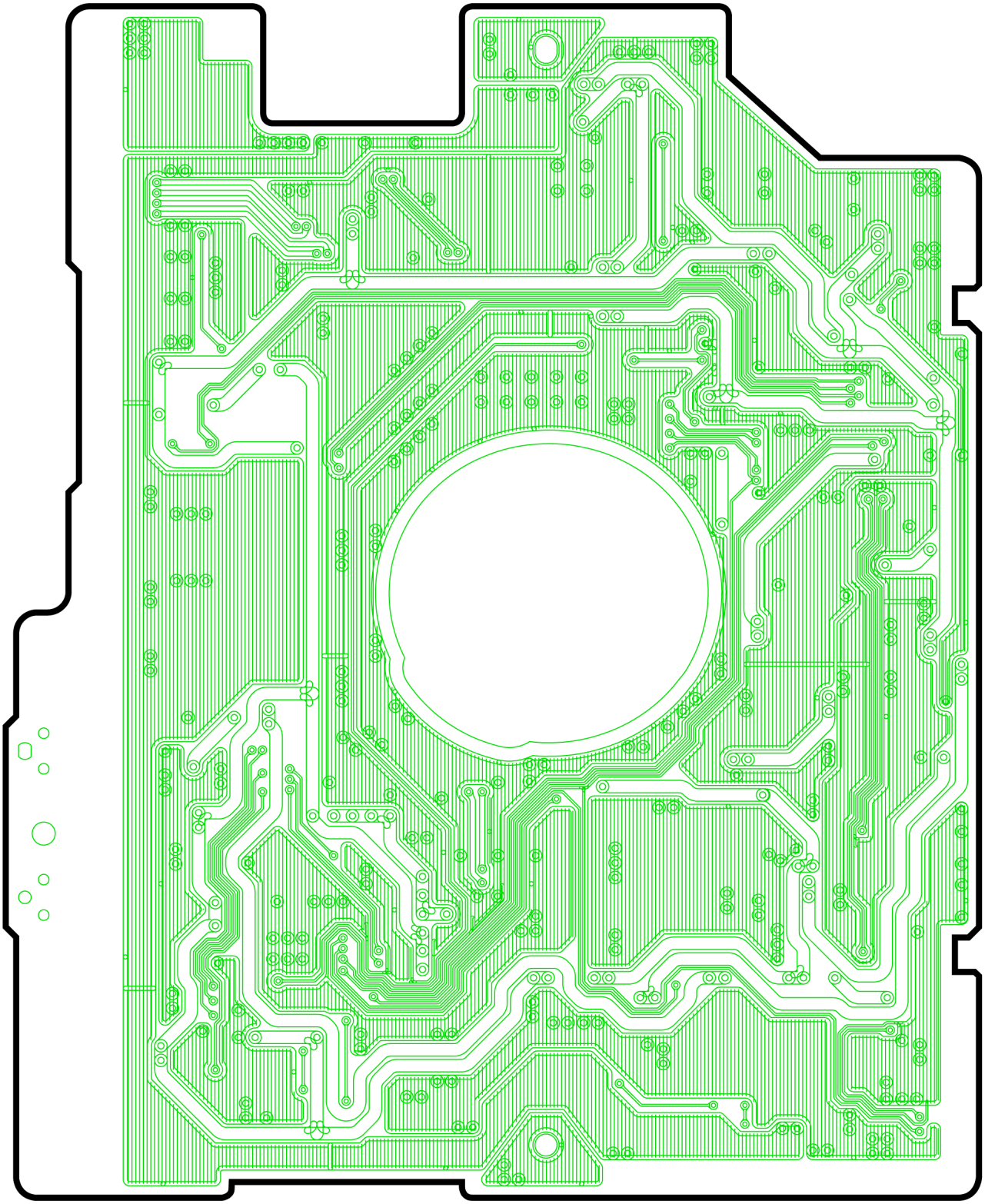
[7220-05-12] [Top View]



[7220-05-12] [Bottom View]

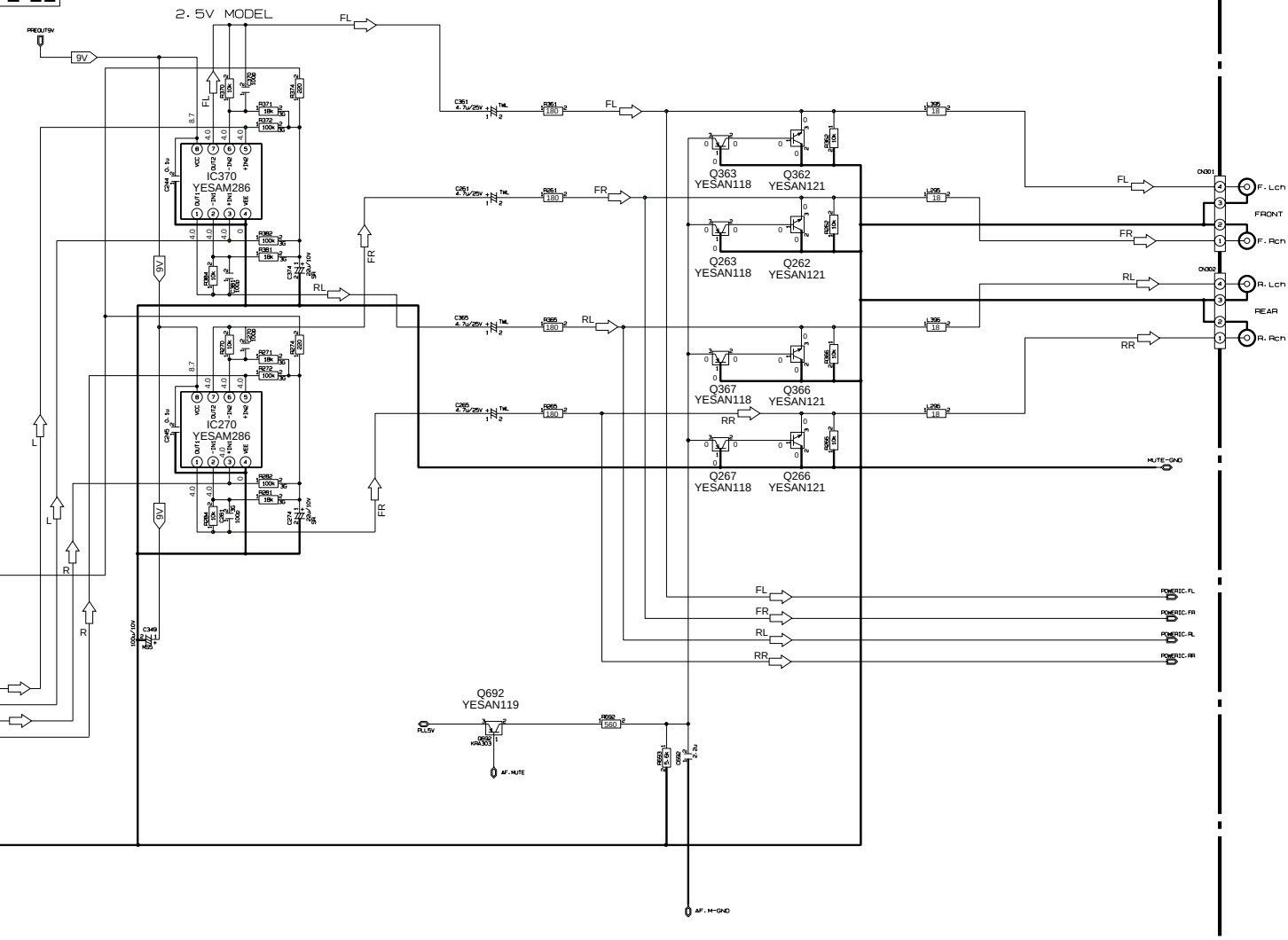


[3032-14-34] [Top View]



[3032-14-34] [Bottom View]

2-11

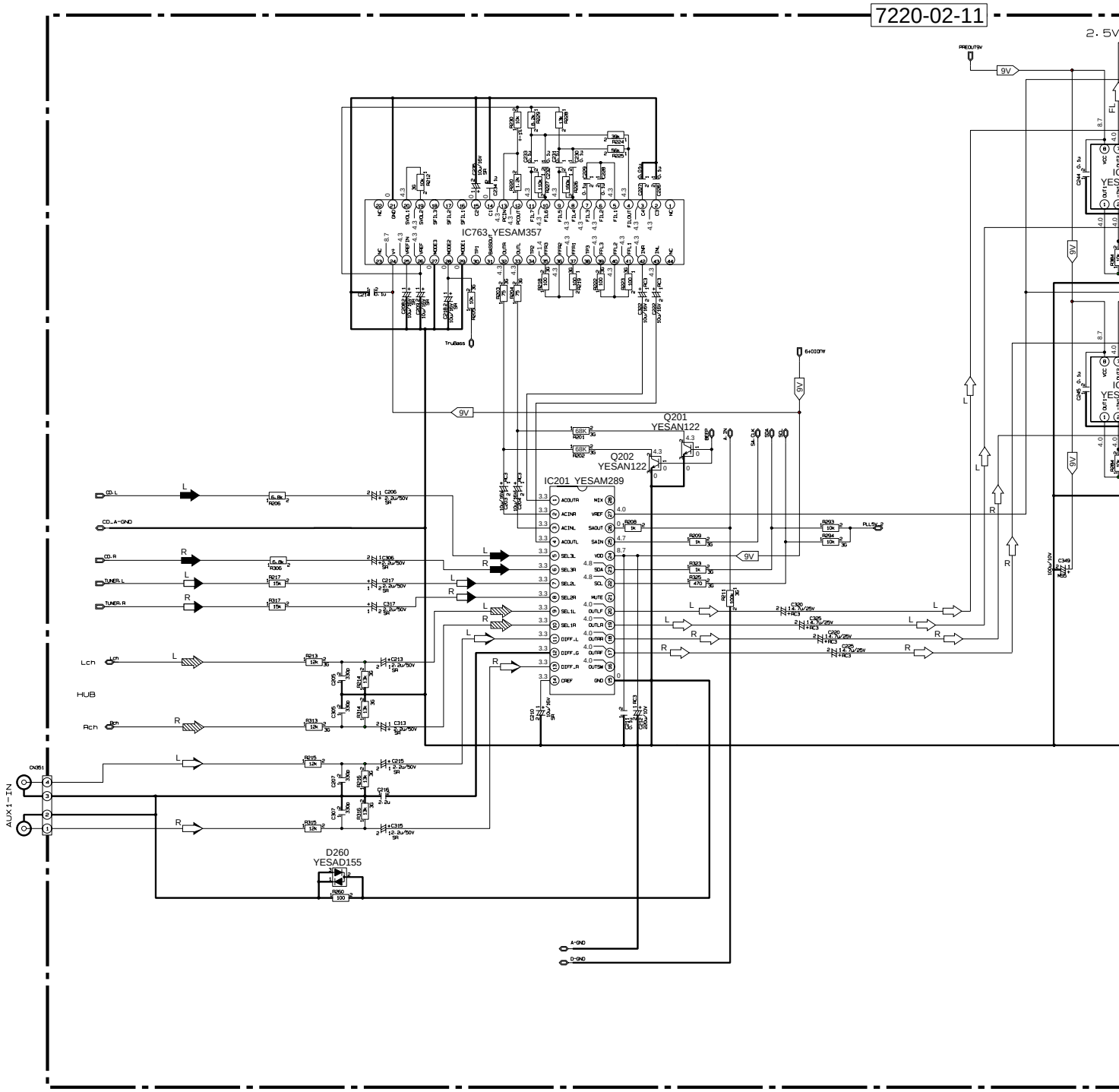


The following symbols are shown on the schematic diagram.

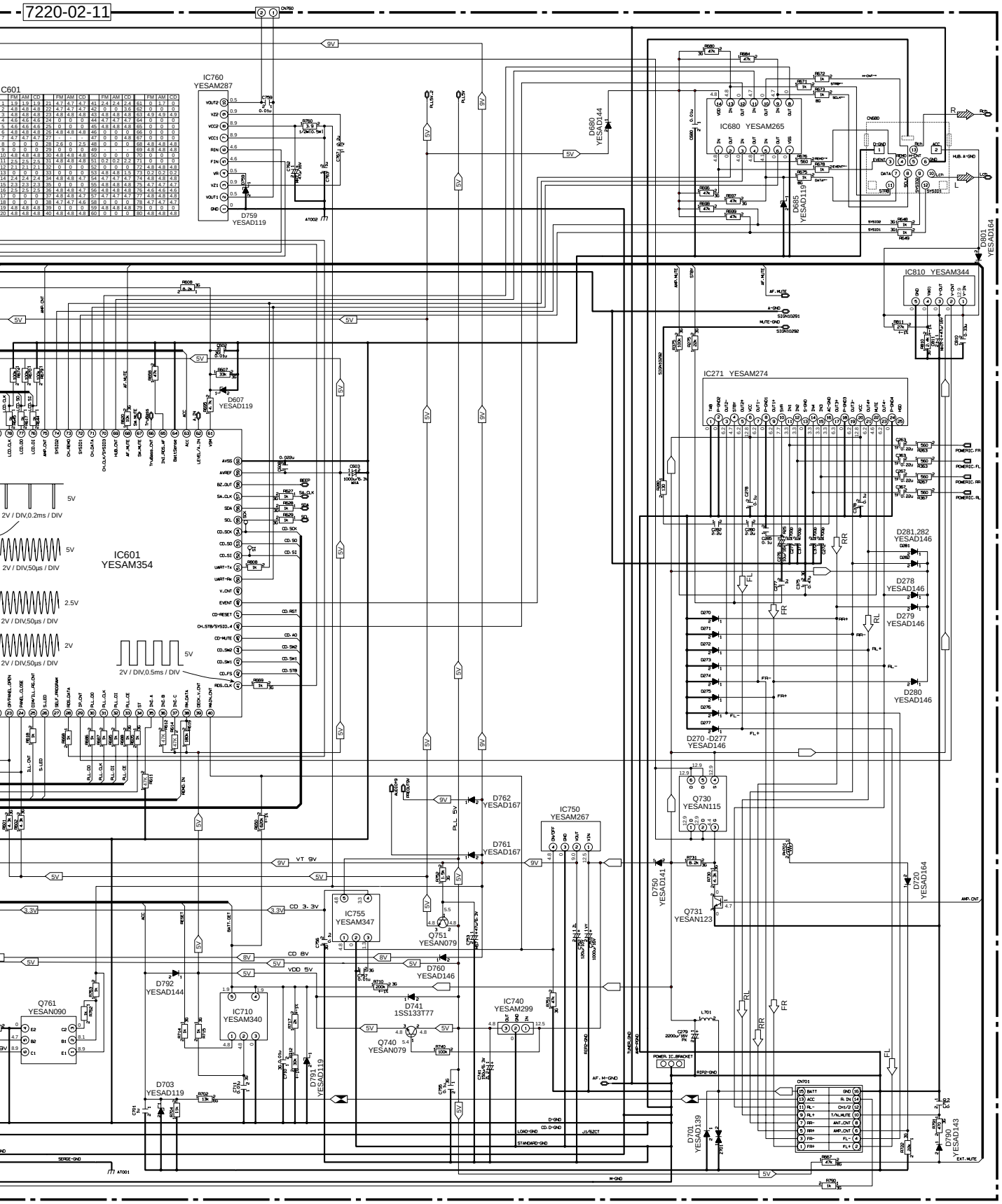
9V	9V
5V	5V
	RADIO(L,R)
	CD(L,R)
	AUDIO(L,R)
	HUB(L,R)
	AUX(L,R)

CQ-C5303N MAIN-2

17.2. Main Block-2

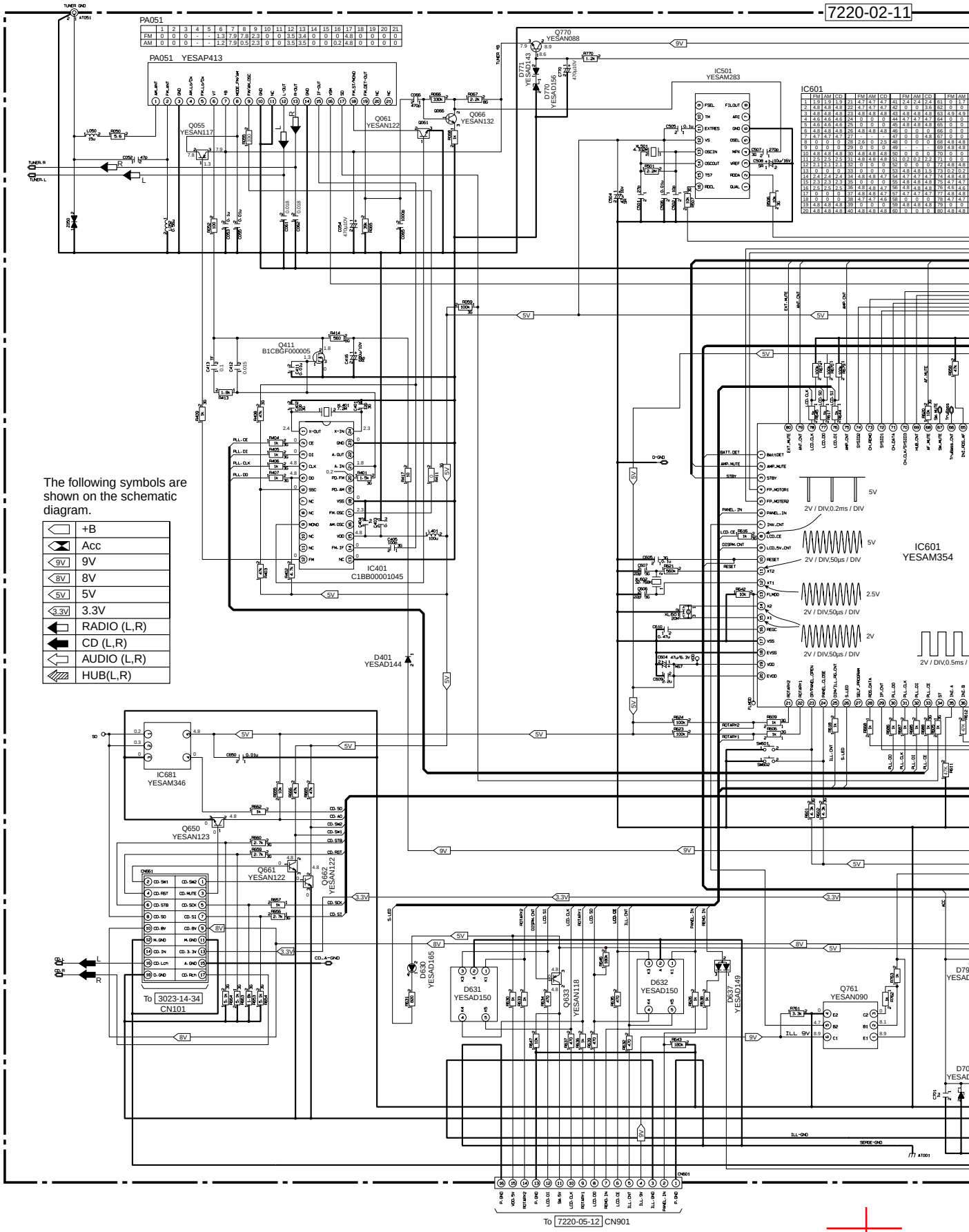


7220-02-11

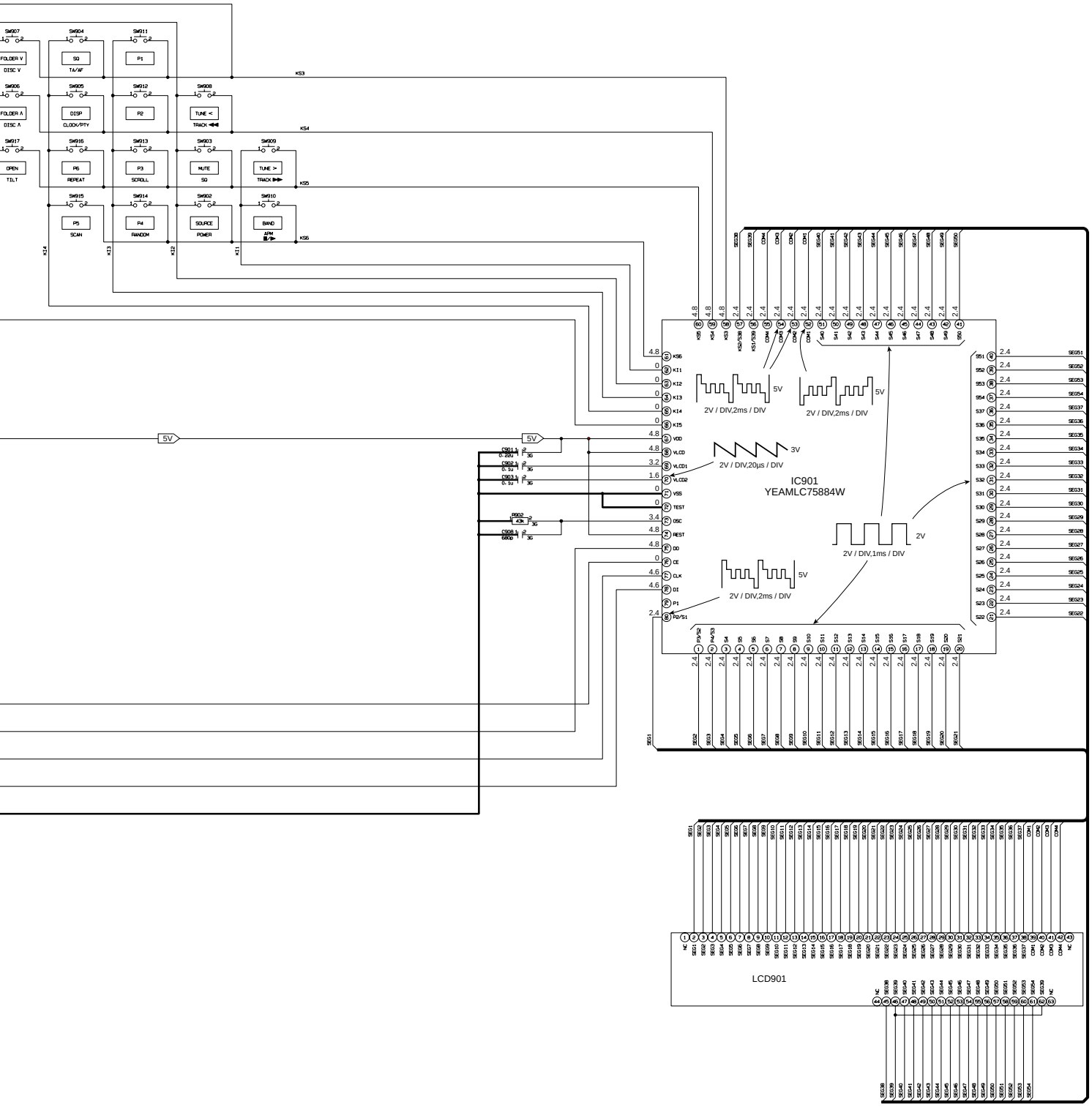

IC760
YESAM287
IC680 YESAM265
IC810 YESAM344
IC271 YESAM274
IC601
YESAM354
IC755
YESAM347
IC750
YESAM267
IC740
YESAM299
IC710
YESAM340
D680
YESAD144
D685
YESAD119
D759
YESAD119
D607
YESAD119
D801
YESAD164
D281,282
YESAD146
D278
YESAD146
D279
YESAD146
D280
YESAD146
D270 -D277
YESAD146
D762
YESAD167
D761
YESAD167
D760
YESAD146
D741
1SS133T77
D792
YESAD144
D703
YESAD119
D791
YESAD119
D750
YESAD141
D720
YESAD164
D701
YESAD139
D790
YESAD143
Q730
YESAN115
Q731
YESAN123
Q751
YESAN079
Q740
YESAN079
Q761
YESAN090
5V
9V
VT 9V
CD 3.3V
CD 8V
VDD 5V
2V / DIV,0.2ms / DIV
2V / DIV,50µs / DIV
2.5V
2V / DIV,0.5ms / DIV
CN760
CN680
CN701
CQ-C5303N MAIN-1

17 SCHEMATIC DIAGRAM

17.1. Main Block-1

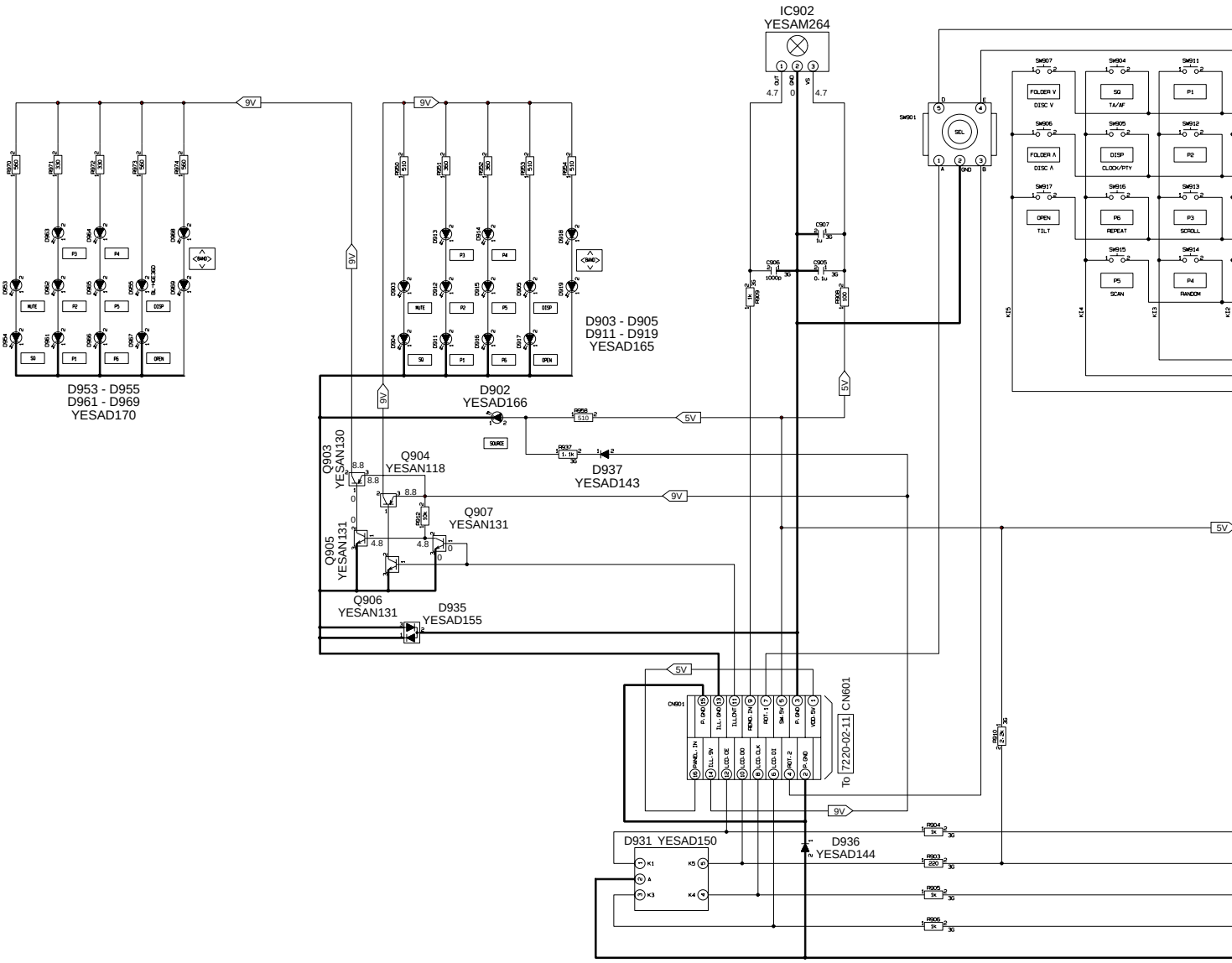


7220-05-12


IC901
YEAMLC75884W
LCD901
2V / DIV,2ms / DIV
2V / DIV,20µs / DIV
2V / DIV,1ms / DIV
5V
3V
2V

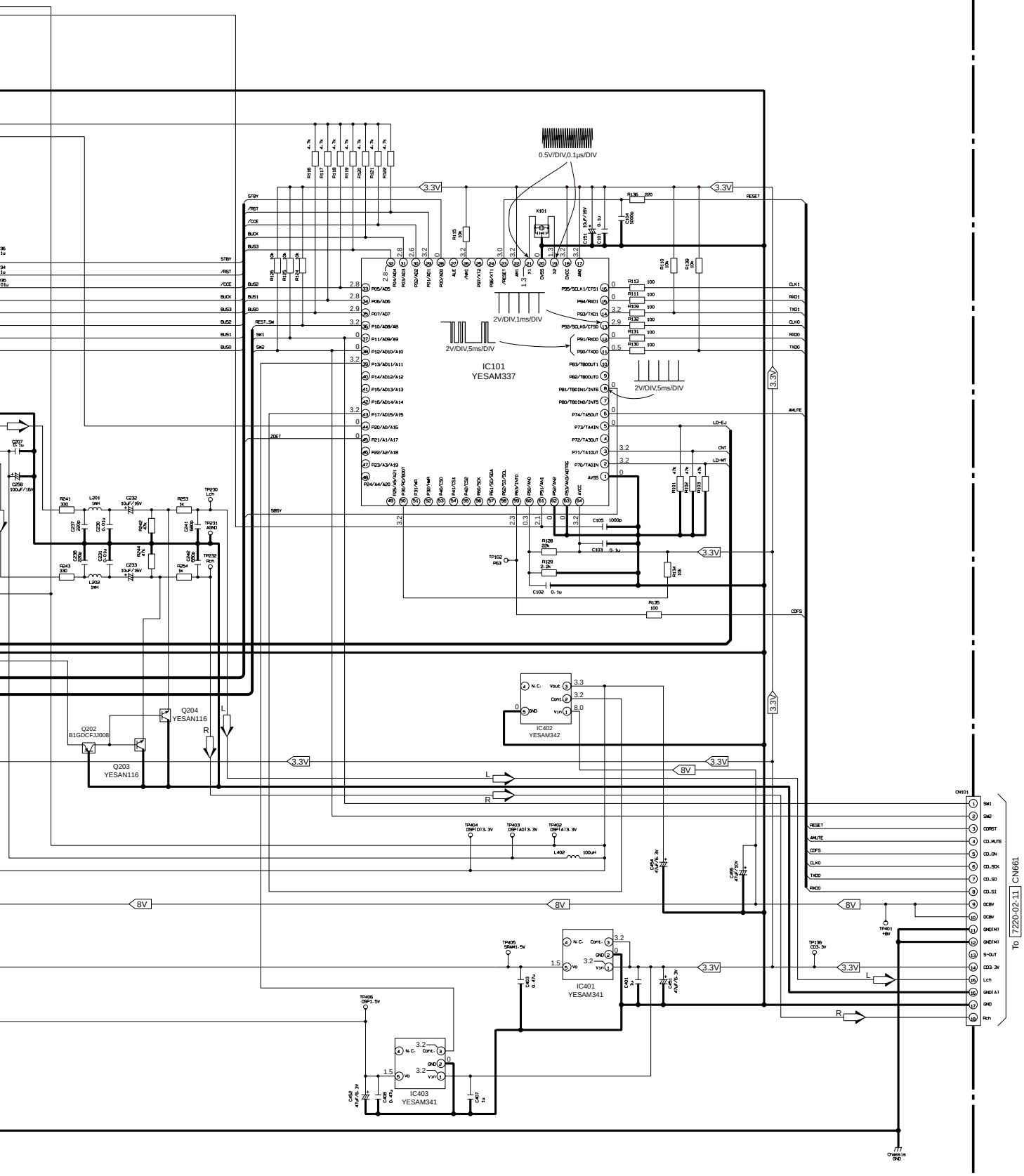
17.3. Display Block

7220-05-1



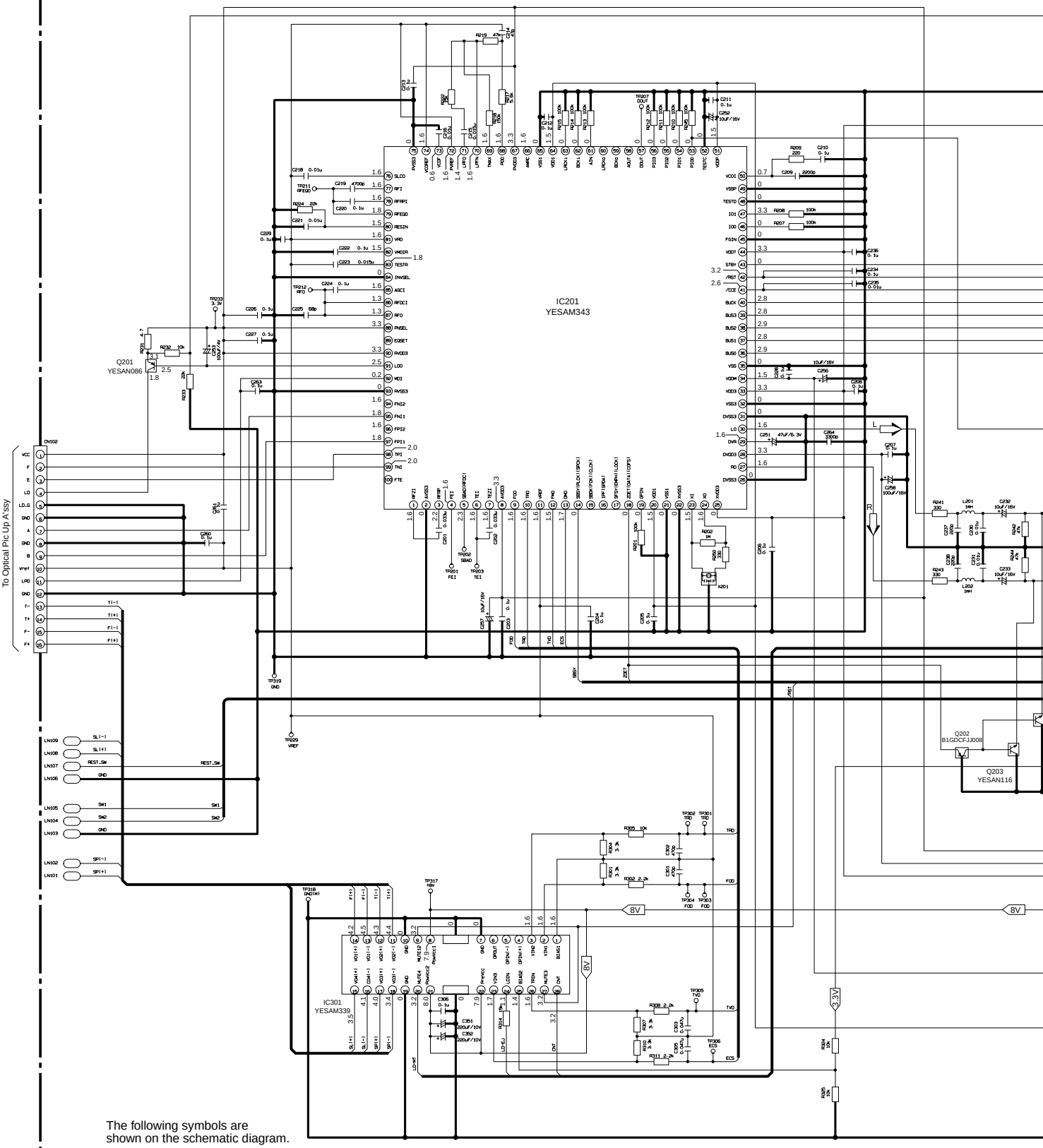
The following symbols are shown on the schematic diagram.

9V	9V
5V	5V


IC101
YESAM337
0.5V/DIV,0.1µs/DIV
2V/DIV,1ms/DIV
2V/DIV,5ms/DIV
2V/DIV,5ms/DIV
IC402
YESAM342
IC401
YESAM341
IC403
YESAM341
Q202
B1GDCFJJ008
Q203
YESAN116
Q204
YESAN116
3.3V
8V
RESET
AMUTE
CDFS
CD.ON
CD.SCK
CD.SO
CD.SI
DCDV
GND(M)
S-OUT
CD3.3V
Lch
GND(A)
Rch
GND
CN101
To 7220-02-11 CN661
CQ-C5303N CD DECK

17.4. CD Servo Block

3032-14-34



The following symbols are shown on the schematic diagram.

8V	8V
3.3V	3.3V
	CD(L,R)

IC201
YESAM343

IC101
YESAM337

IC301
YESAM339

IC401
YESAM341

IC402
YESAM342

IC403
YESAM341

Q201
YESAN086

Q202
81GDCFJJ008

Q203
YESAN116

Q204
YESAN116

X101
4.19MHz

X201
32.768kHz

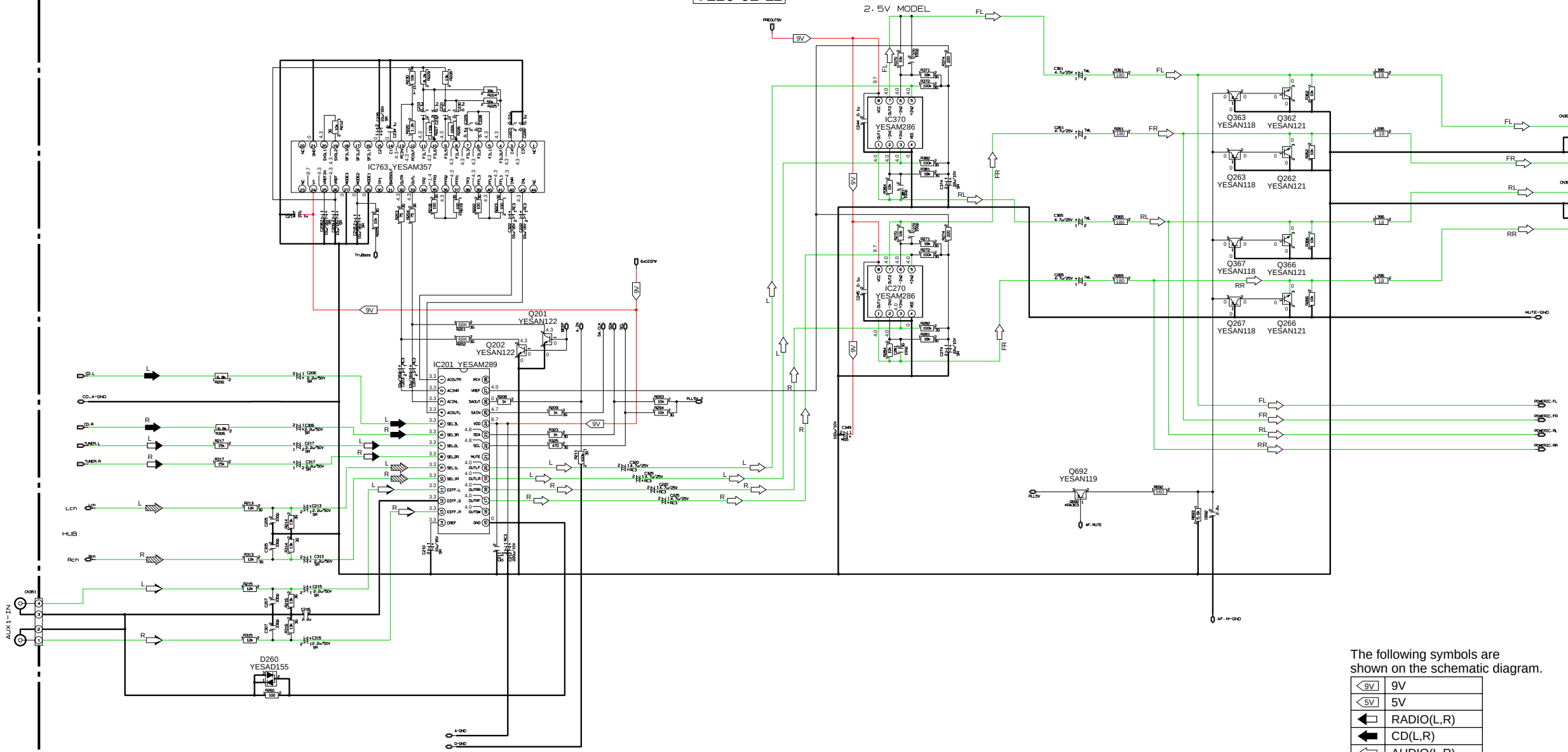
To Optical Pic Up Assy

To CN661
CN101
Sw1
Sw2
CDRST
CD.MUTE
CDFS
CD.CN
CD.SCK
CD.SO
CD.SI
DCBV
DCBV
GND1M1
GND1M1
S-OUT
CD3.3V
Lch
GND1A1
GND
Rch

0.5V/DIV,0.1μs/DIV
2V/DIV,1ms/DIV
2V/DIV,5ms/DIV
2V/DIV,5ms/DIV

The following symbols are shown on the schematic diagram.

8V	8V
3.3V	3.3V
	CD(L,R)



The following symbols are shown on the schematic diagram.

9V	9V
5V	5V
	RADIO(L,R)
	CD(L,R)
	AUDIO(L,R)
	HUB(L,R)
	AUX(L,R)

The following symbols are shown on the schematic diagram.

	+B
	Acc
9V	9V
8V	8V
5V	5V
3.3V	3.3V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)
	HUB(L,R)

PA051

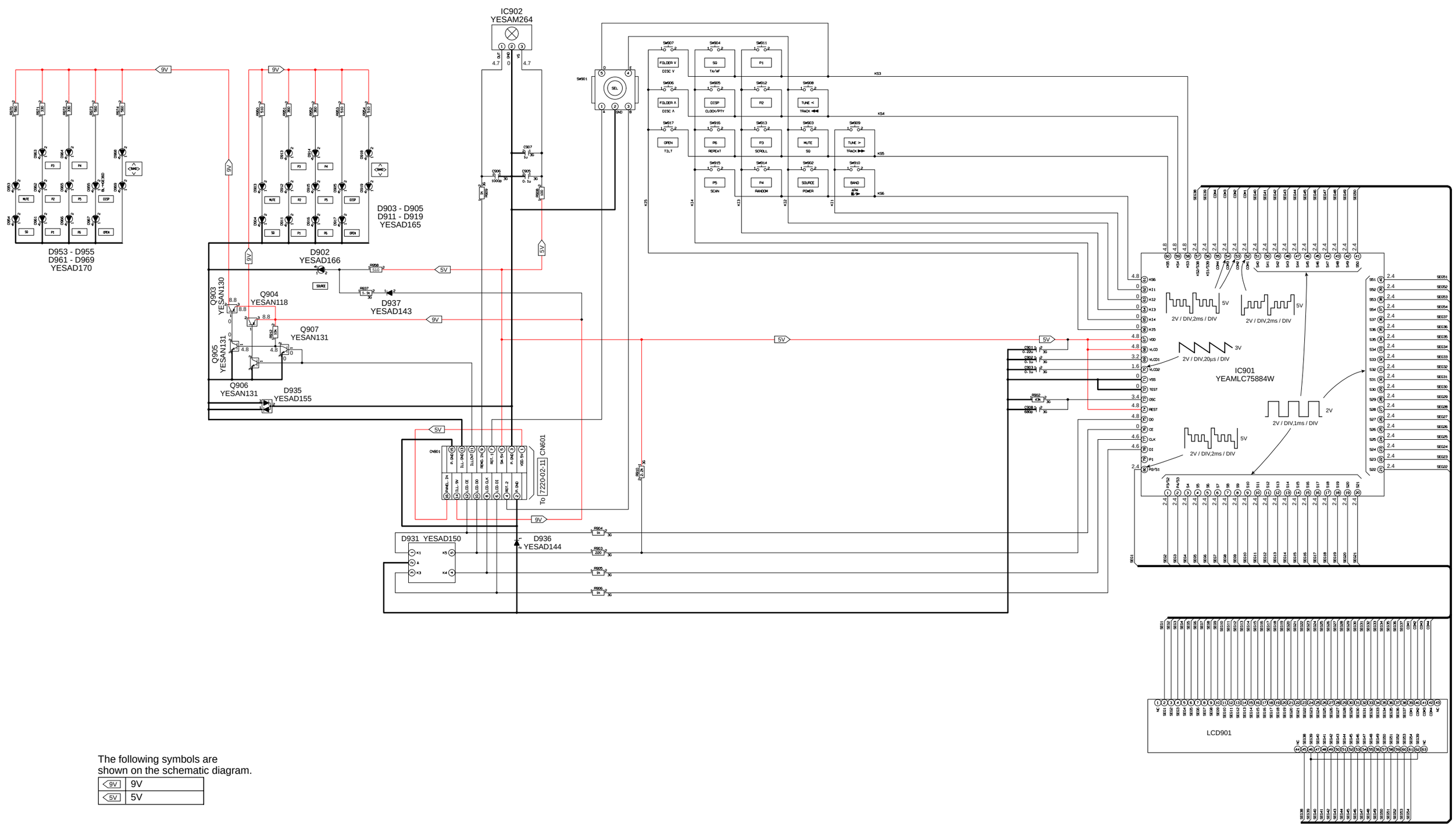
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
FM	0	0	0	-	-	1.3	7.9	7.8	2.3	0	0	3.5	3.4	0	0	0.2	4.8	0	0	0	0
AM	0	0	0	-	-	1.2	7.9	0.5	2.3	0	0	3.5	3.5	0	0	0	4.8	0	0	0	0

IC601

	FM	AM	CD		FM	AM	CD		FM	AM	CD		FM	AM	CD
1	1.9	1.9	1.9	21	4.7	4.7	4.7	41	2.4	2.4	2.4	61	0	4.7	0
2	4.8	4.8	4.8	22	4.7	4.7	4.7	42	0	0	3.6	62	0	0	0
3	4.8	4.8	4.8	23	4.8	4.8	4.8	43	4.8	4.8	4.9	63	4.9	4.9	4.9
4	4.6	4.6	4.6	24	0	0	0	44	4.7	4.7	4.7	64	9	0	0
5	4.6	4.6	4.6	25	0	0	0	45	4.8	4.8	4.8	65	0	0	0
6	4.8	4.8	4.8	26	4.8	4.8	4.8	46	0	0	0	66	0	0	0
7	4.7	4.7	4.7	27	-	-	-	47	0	0	4.8	67	0	0	0
8	0	0	0	28	2.6	0	2.5	48	0	0	0	68	4.8	4.8	4.8
9	0	0	0	29	0	0	0	49	-	-	-	69	4.8	4.8	4.8
10	4.8	4.8	4.8	30	4.8	4.8	4.8	50	0	0	0	70	0	0	0
11	2.5	2.5	2.5	31	4.8	4.8	4.8	51	0.2	0.2	2.2	71	9	0	0
12	2.1	2.1	2.1	32	0	0	0	52	0	0	0	72	4.8	4.8	4.8
13	0	0	0	33	0	0	0	53	4.8	4.8	1.5	73	0.2	0.2	0.2
14	2.4	2.4	2.4	34	4.8	4.8	4.7	54	4.7	4.7	4.7	74	4.8	4.8	4.8
15	2.3	2.3	2.3	35	0	0	0	55	4.8	4.8	4.8	75	4.7	4.7	4.7
16	2.5	2.5	2.5	36	4.8	4.8	4.7	56	4.8	4.8	4.8	76	4.6	4.6	4.6
17	0	0	0	37	4.8	4.8	4.7	57	4.7	4.7	4.7	77	4.8	4.8	4.8
18	0	0	0	38	4.7	4.7	4.6	58	0	0	0	78	4.7	4.7	4.7
19	4.8	4.8	4.8	39	0	0	0	59	4.8	4.8	4.8	79	0	0	0
20	4.8	4.8	4.8	40	4.8	4.8	4.8	60	0	0	0	80	4.8	4.8	4.8

To 3023-14-34 CN101

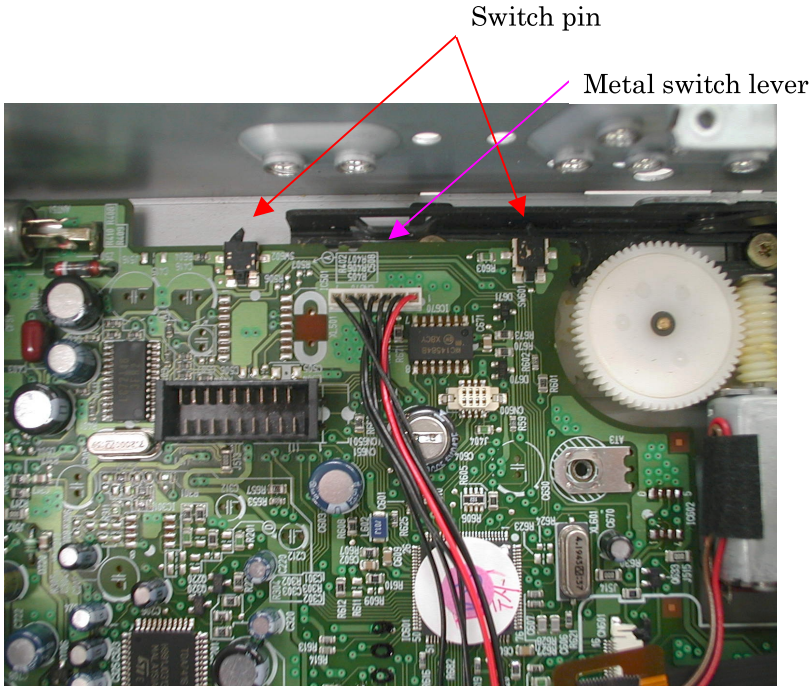
To 7220-05-12 CN901



The following symbols are shown on the schematic diagram.

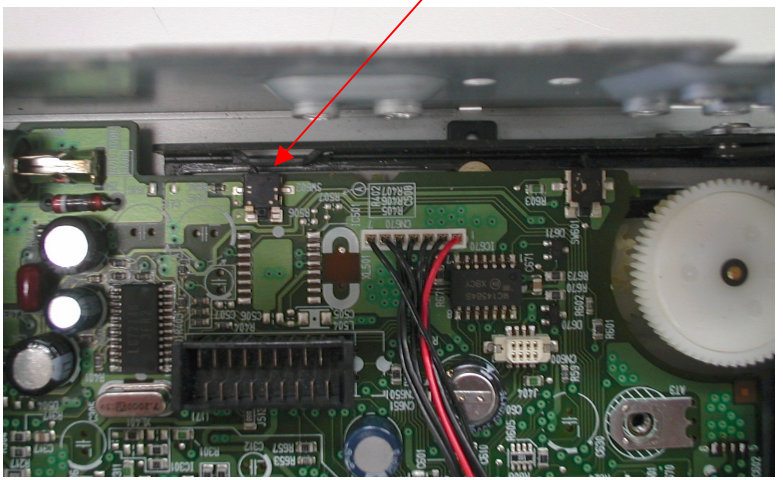
9V	9V
5V	5V

If the front side is tilted 45 degrees, the movable metal lever will not cling onto the switch pin.

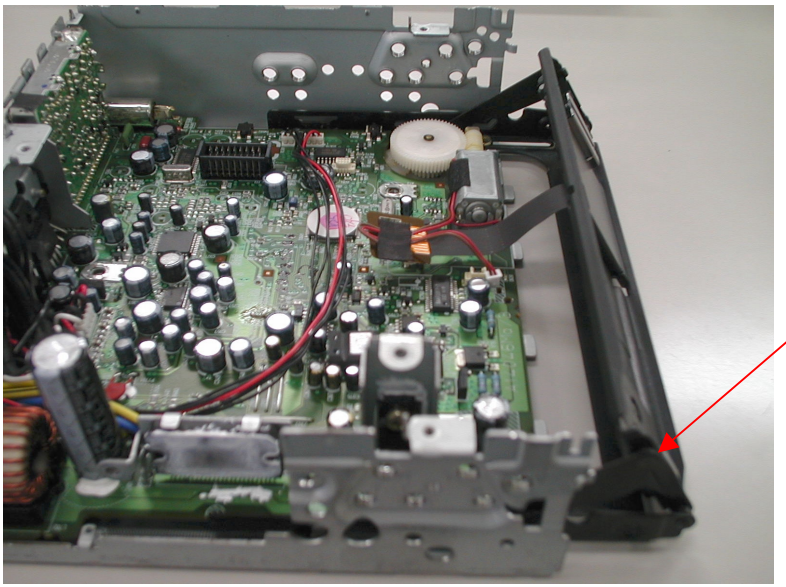


Please install as shown below in order to prevent damages on the end detection switch of the slide mechanism.

If the main P.C.B is installed when the slide mechanism is not moved forward, the switch will hit the metal part and will be damaged.



Move the front side by hand and install the main P.C.B. to the chassis when it is tilted 45 degrees.



When tilted 45 degrees